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GOVERNOR



HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana
DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.

Activity No.: PER20080001
Agency Interest No. 11917

Jeff Baudier
President
Louisiana Generating, LLC
112 Telly St
New Roads, LA 70760

RE: Part 70 Operating Permit Reopening, Big Cajun 1 Power Plant (Steam)
Louisiana Generating LLC, Jarreau, Pointe Coupee Parish, Louisiana

Dear Mr. Baudier:

This is to inform you that the permit reopening for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the 9th of January, 2013, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2008.

Permit No.: 2260-00007-V2

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
CSN:dcd
c: EPA Region VI

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

BIG CAJUN 1 POWER PLANT (STEAM)
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LOUISIANA GENERATING, LLC
JARREAU, POINTE COUPEE PARISH, LOUISIANA

I. Background

Big Cajun 1 Power Plant (Steam), an existing electric power generation facility owned by Louisiana Generating, LLC, began operation in 1972. The Big Cajun 1 Power Plant (Steam) currently operates under Permit Nos. 2260-00007-V1, 2260-00007-IV1, and PSD-LA-660(M-1), issued January 9, 2008.

This is the Part 70 operating permit for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by Louisiana Generating LLC on August 11, 2008.

III. Description

Big Cajun 1 Power Plant (Steam) is an electric generating plant located in Pointe Coupee Parish. The facility proposes to construct and operate a new circulating fluidized bed (CFB) boiler and associated fuel handling equipment.

The CFB boiler will be designed to fire petroleum coke, coal, bagasse, and non-chemically treated wood products, with a maximum heat input rate of 2,330 MMBTU/hr. The CFB Boiler will use natural gas as a startup fuel. In a CFB boiler, solid fuel and a sorbent (typically limestone) are jointly fed directly to the combustion chamber. Primary air is injected from the bottom of the combustion chamber to provide combustion air as well as to fluidize the burning bed. Fluidization of the bed allows for high heat transfer rates at relatively low combustion temperatures. Because of the turbulence and velocity in the circulating bed, the fuel mixes with the bed material quickly and uniformly. Secondary air is introduced at various levels to ensure solids circulation, provide staged combustion for NOx reduction as well as control of carbon monoxide (CO) and volatile organic compounds (VOCs), and supply air for continuous combustion in the upper part of the combustion chamber.

As fuel is added to the CFB boiler it is quickly heated above its ignition point, ignites and becomes part of the burning bed. The fuel particles are entrained within the bed until they are consumed or removed in either the gas stream or with the bed ash. Entrainment of the fuel particles in the gas stream occurs when their size is in the range where the terminal and gas velocities are equal. As the fuel particle size decreases to the point that the terminal velocity is exceeded by the gas velocity, the particles are blown from the bed, collected by a

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particle separator, and returned to the boiler.

Permit No. 2260-00007-V1, issued on January 9, 2008, authorized the following project, to be conducted in two phases as described below:

During Phase I of this project, the CFB Boiler (EQT 1) and the supporting equipment will be constructed. Until such time as this occurs, Boiler #1 and Boiler #2 will be fully operational in accordance with the terms and conditions of this permit.

Phase II of this project will begin on the date that the CFB Boiler (EQT 1) begins commercial operation. Boiler #1 and Boiler #2 will then be decommissioned and dismantled. At no time will Boiler #1 and/or Boiler #2 and the CFB Boiler be operated concurrently.

With this reopening, Big Cajun 1 Power Plant (Steam) proposes to:

- Incorporate a case-by-case determination of Maximum Achievable Control Technology (MACT) for the CFB Boiler (EQT 1) in accordance with Section 112(g) of the Clean Air Act; and
- Revise the Phase II emission rates of mercury for the CFB Boiler (EQT 1) in order to reflect the emissions limitations imposed by the above referenced MACT determination.

Estimated emissions in tons per year are as follows:

The emissions shown in the following tables indicate the emissions associated with Phase I. Phase I encompasses the time between the date of issuance of this permit and the date that the CFB Boiler (EQT 1) begins commercial operation.

<u>Pollutant</u>	<u>Before</u>	<u>Phase I Emissions</u>	<u>Change</u>
PM ₁₀	258.92	258.92	-
SO ₂	5048.22	5048.22	-
NO _X	3504.45	3504.45	-
CO	771.61	771.61	-
VOC	43.52	43.52	-

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<u>VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):</u>	<u>Non-VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):</u>
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Pollutant	Emissions	Pollutant	Emissions
Acetaldehyde	0.160	Ammonia	1.106
Acrolein	0.020	Arsenic (and compounds)	0.026
Benzene	0.052	Barium (and compounds)	0.028
1,4-Dichlorobenzene	0.008	Beryllium (Table 51.1)	0.018
Ethylbenzene	0.142	Cadmium (and compounds)	0.018
Formaldehyde	4.406	Chlorine	6.000
n-Hexane	11.130	Chromium VI (and compounds)	0.006
Naphthalene	0.056	Cobalt compounds	< 0.001
Polynuclear Aromatic Hydrocarbons	0.212	Copper (and compounds)	0.038
Propylene oxide	0.120	Lead compounds	0.056
Toluene	0.820	Manganese (and compounds)	0.038
Xylene	0.260	Mercury (and compounds)	0.018
		Nickel (and compounds)	0.018
		Selenium (and compounds)	0.094
		1,1,1-Trichloroethane	0.010
		Zinc (and compounds)	0.180
Total	17.386		7.654

Other VOC (TPY): 25.03

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The emissions shown in the following tables indicate the emissions associated with Phase II. Phase II encompasses the time between the date that the CFB Boiler (EQT 1) begins commercial operation and the date of issuance of the renewal of this permit. The carbon monoxide total for Phase II reflects the BACT limitation of 0.15 lb CO/MMBTU that applies to the CFB Boiler (EQT 1) during the start-up and shut-down of the boiler. This is also reflected in the carbon monoxide emission limitation of 973.69 tons per year shown in the table entitled "Emission Rates for Criteria Pollutants".

<u>Pollutant</u>	<u>Phase I Emissions</u>	<u>Phase II Emissions</u>	<u>Change</u>
PM ₁₀	258.92	223.23	- 35.69
NO _X	3504.45	1030.85	- 2473.60
SO ₂	5048.22	1460.68	- 3587.54
CO	771.61	1225.50	+ 453.89
VOC	43.52	55.06	+ 11.54

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VOC includes the following TAP:

		Non-VOC TAP:
1,1,2,2-Tetrachloroethane	0.012	n-Hexane 0.019
1,2-Dichloropropane	0.032	Isophorone 0.166
1,3-Butadiene	0.002	Methyl bromide 0.046
2,4,6-Trichlorophenol	< 0.001	Methyl chloride 0.152
2,4-Dinitrophenol	< 0.001	Methyl ethyl ketone 0.111
2,4-Dinitrotoluene	< 0.001	Methyl methacrylate 0.006
2-Methylnaphthalene	< 0.001	Methyl tertiary butyl ether 0.010
Acetaldehyde	1.113	Monomethyl hydrazine 0.049
Acetophenone	0.004	Naphthalene 0.107
Acrolein	3.980	Pentachloro-phenol < 0.001
Benzene	4.460	Phenol 0.054
Benzyl chloride	0.200	PAH 0.142
Biphenyl	0.001	Propionaldehyde 0.109
Bromoform	0.011	Propylene oxide 0.120
Carbon disulfide	0.037	Styrene 1.853
Carbon tetrachloride	0.044	Toluene 0.956
Chlorinated dibenzo furans	0.000002	Trichloroethylene 0.029
Chlorinated dibenzo-p-dioxins	0.002	Vinyl acetate 0.002
Chlorobenzene	0.038	Vinyl chloride 0.017
Chloroethane	0.012	Xylenes 0.294
Chloroform	0.042	Total 21.742
Cumene	0.002	Sulfuric acid < 0.001
Dimethyl sulfate	0.014	Thallium 0.010
Ethylbenzene	0.194	Zinc (and compounds) 54.541
Formaldehyde	7.300	Total

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Other VOC (TPY): 33.32

IV. Type of Review

The CFB Boiler (EQT 1) is subject to a case-by-case determination of Maximum Achievable Control Technology (MACT) in accordance with Section 112(g) of the Clean Air Act. The Hazardous Air Pollutants (HAPs) emitted from this source were divided into four groups: mercury, acid gases (including hydrochloric acid and hydrofluoric acid), organic HAPs, and metallic HAPs.

A review was conducted that compared the CFB Boiler to other similar projects that have been permitted across the United States of America as well as other technical data. The information from the comparison was used to establish a MACT Floor, which is the emission control achieved in practice by the best controlled similar source. Upon determination of the MACT Floor, an analysis was performed to determine the possibility of emissions control that would be more stringent than the MACT Floor. Emissions controls that are more stringent than the MACT Floor and that are consistent with the definition of MACT have been incorporated into this MACT determination.

MACT for emissions of mercury has been determined to be the use of limestone injection and activated carbon injection in conjunction with a flue gas desulfurization scrubber and a fabric filter. MACT for emissions of acid gases (including hydrochloric acid and hydrofluoric acid) has been determined to be the use of limestone injection in conjunction with a flue gas desulfurization scrubber and a fabric filter. MACT for emissions of organic HAPs has been determined to be good combustion practices. MACT for emissions of metallic HAPs has been determined to be the use of a fabric filter.

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The emissions limitations imposed by the above referenced MACT determination are summarized below:

Pollutant	Limitation	Averaging Period	Applies when firing ...
Hydrochloric Acid	0.00035 lb/MMBTU	Avg. of three 1 hr. tests	All fuels
Hydrofluoric acid	0.000044 lb/MMBTU	Avg. of three 1 hr. tests	All fuels
Mercury	0.008 lb/GWh	12 month rolling avg.	Bituminous coal
	0.003 lb/GWh	12 month rolling avg.	Petroleum coke
	0.005 lb/GWh	12 month rolling avg.	Subbituminous coal
Organic HAPs*	***0.10 lb CO/MMBTU	24 hr. block avg.	All fuels
	****0.15 lb CO/MMBTU	24 hr. block avg.	All fuels
Metallic HAPs**	0.011 lb PM/MMBTU	24 hr. avg.	All fuels

*Control of carbon monoxide (CO) is approved as a surrogate for control of organic HAPs. This approval was made because both CO and organic HAPs are products of incomplete combustion. A reduction in CO will indicate more complete combustion, which will translate to a reduction in organic HAP emissions.

**Control of particulate matter (PM) is approved as a surrogate for control of metallic HAPs. Metallic HAPs are a subset of total PM. Any technology that controls PM will also control metallic HAPs. A reduction in PM emissions will translate to a reduction in metallic HAP emissions.

*** Applies when unit operates at greater than or equal to 60 percent of its maximum operating rate of 2,330 MMBTU/hr.

****Applies when unit operates at less than 60 percent of its maximum operating rate of 2,330 MMBTU/hr.

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The monitoring requirements imposed by the above referenced MACT determination are summarized below:

Pollutant	Monitoring conducted using ...
Hydrochloric acid	Annual Stack Test
Hydrofluoric acid	Annual Stack Test
Mercury	Mercury Continuous Emissions Monitoring System (CEMS)
Organic HAPs	Carbon Monoxide Continuous Emissions Monitoring System (CEMS)
Metallic HAPs	Monitoring Requirements of 40 CFR 64

All requirements imposed in accordance with Section 112(g) of the Clean Air Act can be found in the Specific Requirements section of this permit under the group entitled CRG0001 – MACT Requirements for CFB Boiler.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. However, electric utility steam generating units are exempt from the requirements of LAC 33:III.Chapter 51 per LAC 33:III.5105.B.2.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, Louisiana, on <date>; and in *The Pointe Coupee Banner*, New Roads, Louisiana, on <date>. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>.

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All comments will be considered prior to a final permit decision.

The proposed permit constitutes a Notice of MACT Approval in accordance with 40 CFR 63.43(g) and was processed as a reopening for cause in accordance with LAC 33:III.529. LAC 33:III.529.A.2 states, in pertinent part, "Proceedings to reopen, revise, and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. ..." In accordance with LAC 33:III.529.A.2, LDEQ is accepting written comments that pertain to the proposed changes to the permit as described above.

VII. Effects on Ambient Air

Emissions associated with the reopening were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

VIII. General Condition XVII Activities

None

IX. Insignificant Activities

ID No.:	Description	Citation
FGH-1	Fuel Gas Heater (5.3 MMBTU/hr)	LAC 33:III.501.B.5.A.1
-	CTG-1 Control Oil Reservoir (175 gallons)	LAC 33:III.501.B.5.A.2
-	CTG-2 Control Oil Reservoir (175 gallons)	LAC 33:III.501.B.5.A.2
-	Tractor Diesel Tank (350 gallons)	LAC 33:III.501.B.5.A.3
-	Fire Pump Diesel Tank (500 gallons)	LAC 33:III.501.B.5.A.3
-	CTG-1 Lube Oil Tank (4,500 gallons)	LAC 33:III.501.B.5.A.3
-	CTG-2 Lube Oil Tank (4,500 gallons)	LAC 33:III.501.B.5.A.3
-	Unit 1 Lube Oil Tank (3,720 gallons)	LAC 33:III.501.B.5.A.3
-	Unit 1 Lube Oil Storage Reservoir (2,280 gallons)	LAC 33:III.501.B.5.A.3
-	Unit 2 Lube Oil Tank (3,720 gallons)	LAC 33:III.501.B.5.A.3
-	Unit 2 Lube Oil Storage Reservoir (2,280 gallons)	LAC 33:III.501.B.5.A.3

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<u>ID No.:</u>	<u>Description</u>	<u>Citation</u>
-	Condensate Tank #1 (3,780 gallons)	LAC 33:III.501.B.5.A.3
-	Condensate Tank #2 (4,759 gallons)	LAC 33:III.501.B.5.A.3
-	Sand Silo	LAC 33:III.501.B.5.D

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																
		5	9	11	13	15	2103	2104*	2107	2111	2113	2122	3003	22	29*	51*	53*	56
UNF 1	Big Cajun 1 Power Plant Facility	1	1	1									1	1	1	1	3	1
EQT 1	CFB-1 – CFB Boiler	1	1	1	1	1												3
EQT 2	CTG-1 – Combustion Turbine Generator #1	1					1	1										3
EQT 3	CTG-2 – Combustion Turbine Generator #2	1					1	1										3
EQT 4	GEN – Emergency Generator						1	1										
EQT 5	T-5 – Gasoline Tank								1									
EQT 6	T-3 – Gasoline Storage Tank								1									
EQT 7	T-6 – Ammonia Storage Tank																	
EQT 8	CT1 – Cooling Tower No. 1																	
EQT 9	CT2 – Cooling Tower #2																	
EQT 10	IB1 – Boiler 1						1	1	1	1	1							1
EQT 11	IB2 – Boiler 2						1	1	1	1	1							1
FUG 1	E1 – Transfer Point – Emergency Pile Material Handling						1	1										
FUG 2	FUG2 – Material Handling – Outside Conveyors						1	1										

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		5	9	11	13	15	2103	2104*	2107	2111	2113	2122	3003	22	29*	51*	53*	56	59*
FUG 3	FUG3 – Emergency Pile Wind Erosion	1		1															
FUG 4	FUG4 – Fugitive Dust from Paved Roads	1		1															
FUG 5	TP1 – Transfer Point – Barge Unloader	1		1															
FUG 6	TP2 – Transfer Point – Unloading Hopper to Conveyor C-1	1		1															
FUG 7	TP3 – Transfer Point – Conveyor C-1 to Conveyor C-2	1		1															
FUG 8	TP4 – Transfer House 1 – Conveyor C-2 to Conveyor C-3 or C-4	1		1															
FUG 9	TP5 – Limestone Storage Dome – Dust Collection System	1		1															
FUG 10	TP6 – Fuel Storage Dome – Dust Collection System	1		1															
FUG 11	Tp7 – Fuel Crusher House – Dust Collection System	1		1															
FUG 12	TP8 – Fuel Silos – Dust Collection System	1		1															

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ID No.:	Description	LAC 33:III.Chapter																
		5	9	11	13	15	2103	2104*	2107	2111	2113	2122	3003	22	29*	51*	53*	56
FUG 13	TP9 – Limestone Transfer Tower – Conveyor C-9 to Conveyor C-10	1			1													
FUG 14	TP10 – Limestone Silo and Crusher – Dust Collection System		1			1												
FUG 15	TP11 – Ash Silo – Dust Collection System	1			1													
FUG 16	TP12 – Ash Truck Loading	1			1													
FUG 17	TP13 – Lime Silo – Dust Collection System	1			1													
FUG 18	FUG-1 – Natural Gas Piping Fugitive Emissions													3				

* The regulations indicated above are State Only regulations.

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KEY TO MATRIX

- 1** -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2** -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3** -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS						40 CFR 61						40 CFR 63 NESHAP						40 CFR					
		Kb	Da	Dc	GG	Y	000	A	J	A	Q	DDDDD	64	72	73	75	76	77	78						
UNF 1	Big Cajun I Power Plant Facility											1													
EQT 1	CFB-1 – CFB Boiler						1																		
EQT 2	CTG-1 – Combustion Turbine							1																	
EQT 3	Generator #1																								
EQT 4	CTG-2 – Combustion Turbine							1																	
EQT 5	Generator #2																								
EQT 6	GEN – Emergency Generator																								
EQT 7	T-5 – Gasoline Tank	3																							
EQT 8	T-3 – Gasoline Storage Tank		3																						
EQT 9	T-6 – Ammonia Storage Tank			3																					
EQT 10	CT1 – Cooling Tower No. 1																								
EQT 11	CT2 – Cooling Tower #2																								
EQT 12	IB1 – Boiler 1																			1					
EQT 13	IB2 – Boiler 2																			1					
FUG 1	E1 – Transfer Point – Emergency Pile																								
FUG 2	Material Handling																								
FUG 3	FUG2 – Material Handling – Outside																								
FUG 4	Conveyors																								

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		Kb	Da	Dc	GG	Y	OOO	A	J	A	Q	DDDDD	64	72	73	75	76	77	78						
FUG 3	FUG3 – Emergency Fly Wind Erosion																								
FUG 4	FUG4 – Fugitive Dust from Paved Roads																								
FUG 5	TPI – Transfer Point – Barge Unloader																								
FUG 6	TP2 – Transfer Point – Unloading Hopper to Conveyor C-1																								
FUG 7	TP3 – Transfer Point – Conveyor C-1 to Conveyor C-2																								
FUG 8	TP4 – Transfer House 1 – Conveyor C-2 to Conveyor C-3 or C-4																								
FUG 9	TP5 – Limestone Storage Dome – Dust Collection System																								
FUG 10	TP6 – Fuel Storage Dome – Dust Collection System																								
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FUG 12	TP8 – Fuel Silos – Dust Collection System																								

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		Kb	Da	Dc	GG	Y	OOO	A	J	A	Q	DDDDD	64	72	73	75	76	77	78							
FUG 13	TP9 – Limestone Transfer Tower – Conveyor C-9 to Conveyor C-10											1														
FUG 14	TP10 – Limestone Silo and Crusher – Dust Collection System											1														
FUG 15	TP11 – Ash Silo – Dust Collection System																									
FUG 16	TP12 – Ash Truck Loading																									
FUG 17	TP13 – Lime Silo – Dust Collection System																									
FUG 18	FUG-1 – Natural Gas Piping Fugitive Emissions																									

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Big Cajun 1 Power Plant (Steam)
Agency Interest No.: 11917
Louisiana Generating LLC
Jarreau, Pointe Coupee Parish, Louisiana

KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Big Cajun 1 Power Plant (Steam)
Agency Interest No.: 11917
Louisiana Generating LLC
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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
GRP 3	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.Chapter 51]	EXEMPT. Electric utility steam generating units are exempt from the requirements of Subchapter A of LAC 33:III.Chapter 51. [LAC 33:III.5105.B.2]
EQT 1	Control of Emissions of Nitrogen Oxides [LAC 33:III.2201]	EXEMPT. This source is required to comply with the more stringent NOx emissions limitation of Permit No. PSD-LA-660(M-1). [LAC 33:III.2201.C.15]
EQTs 2 - 4	Emission Standards for Sulfur Dioxide [LAC 33:III.1503]	EXEMPT. Units emit less than 250 tons of SO ₂ per year. [LAC 33:III.1503.C]
EQT 2 EQT 3	Control of Emissions of Nitrogen Oxides [LAC 33:III.2201]	EXEMPT. These sources are required to comply with the more stringent NOx emissions limitation of 40 CFR 60, Subpart GG. [LAC 33:III.2201.C.15]
EQT 5 EQT 6	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage tanks have a storage capacity of less than 75 cubic meters. [40 CFR 60.110b(a)]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Big Cajun 1 Power Plant (Steam)
Agency Interest No.: 11917
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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT 8	NESHAP Subpart Q - National Emission Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers	DOES NOT APPLY. Cooling towers are not operated with chromium-water based treatment chemicals.
EQT 9	[40 CFR 63, Subpart Q]	[40 CFR 63.400(a)]
EQT 10	Control of Emissions of Nitrogen Oxides	EXEMPT. Units are operated less than 400 hours during the ozone season.
EQT 11	[LAC 33:III.2201]	[LAC 33:III.2201.H.12]
FUG 1	Fugitive Emission Control for Ozone Nonattainment Areas and Specified Parishes	DOES NOT APPLY. This facility is not listed as an affected facility. [LAC33:III.2122.A.1]
	[LAC 33:III.2122]	

The above table provides explanation for either the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

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- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

40 CFR PART 70 GENERAL CONDITIONS

2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

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- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;

40 CFR PART 70 GENERAL CONDITIONS

4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33.III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]

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- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.
The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated August 11, 2008.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
 - A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 - 1. Report by June 30 to cover January through March
 - 2. Report by September 30 to cover April through June
 - 3. Report by December 31 to cover July through September
 - 4. Report by March 31 to cover October through December
 - D. Each report submitted in accordance with this condition shall contain the following information:
 - 1. Description of noncomplying emission(s);
 - 2. Cause of noncompliance;
 - 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 - 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 - 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
 - E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]
- These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.
- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 11917 Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
 Activity Number: PER20080001
 Permit Number: 2260-00007-V2

Alt - Title V Regular Permit Reopening

Also Known As:	ID	Name	User Group	Start Date
	2260-00007	Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)	CDS Number	05-27-1993
LAD000803056		Big Cajun 1 Power Plant	Hazardous Waste Notification	03-17-2002
LA0003042		LPDES #	LPDES Permit #	04-10-2002
WP1326		LWDPS #	LWDPS Permit #	06-25-2003
G-077-6443		SW Generator ID #	Solid Waste Facility No	10-19-2001
16949		Cajun Electric Power Coop Inc	TEMPO Merge	03-12-2001
Physical Location:		Main Phone:	2256184100	
	7807 River Rd Jarreau, LA 70749			
Mailing Address:	112 Telly St New Roads, LA 70760			
Location of Front Gate:	30° 40' 25" latitude, 91° 21' 9" longitude, Coordinate Method: Lat Long - DMS, Coordinate Datum NAD83			
Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Jeffrey Baudier	112 Telly St New Roads, LA 70760	2256384158 (WF)	Responsible Official for
	Jeffrey Baudier	112 Telly St New Roads, LA 70760	2256184407 (WP)	Responsible Official for
	Gary Ellender	PO Box 39 Ventress, LA 707830039	22563833773 (WP)	Water Billing Party for
	Gary Ellender	PO Box 39 Ventress, LA 707830039	22563833773 (WP)	Accident Prevention Billing Party for
	Gary Ellender	PO Box 39 Ventress, LA 707830039	Gary.Ellender@nrge	Water Billing Party for
	Gary Ellender	PO Box 39 Ventress, LA 707830039	Gary.Ellender@nrge	Accident Prevention Billing Party for
	Bill Ellis	PO Box 267 Ventress, LA 707830267	Bill.Ellis@nrgenergy.	Emission Inventory Contact for
	Bill Ellis	PO Box 267 Ventress, LA 707830267	2256184101 (WP)	Emission Inventory Contact for
	Bill Ellis	PO Box 267 Ventress, LA 707830267	Bill.Ellis@nrgenergy.	Responsible Official for
	Bill Ellis	PO Box 267 Ventress, LA 707830267	2256184101 (WP)	Responsible Official for
	Ash Namjoshi	PO Box 39 Ventress, LA 707830039	ASH.NAMJOSHI@B	Emission Inventory Contact for
	Ash Namjoshi	PO Box 39 Ventress, LA 707830039	22563833773 (ext 56)	Emission Inventory Contact for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Louisiana Generating LLC	112 Telly St New Roads, LA 70760	Operates	
	Louisiana Generating LLC	112 Telly St New Roads, LA 70760	Emission Inventory Billing Party	
	Louisiana Generating LLC	112 Telly St New Roads, LA 70760	Air Billing Party for	
	Louisiana Generating LLC	112 Telly St New Roads, LA 70760	Owes	
NAIC Codes:	221112, Fossil Fuel Electric Power Generation			

General Information

Ai ID: 11917 Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit.
Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-0775 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 119117 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
 Activity Number: PER20080001
 Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Big Cajun 1 Power Plant Facility						
EQT 0001	CFB-1 - CFB Boiler		2330 MM BTU/hr	2219 MM BTU/hr		8760 hr/yr
EQT 0002	CTG-1 - Combustion Turbine Generator #1		1410 MM BTU/hr	120 MW		8760 hr/yr
EQT 0003	CTG-2 - Combustion Turbine Generator #2		1410 MM BTU/hr	120 MW		8760 hr/yr
EQT 0004	GEN - Emergency Generator		100 kW			8760 hr/yr
EQT 0005	T-5 - Gasoline Tank	268 gallons	268 gallons/hr		gasoline	8760 hr/yr
EQT 0006	T-3 - Gasoline Storage Tank	1500 gallons			gasoline	8760 hr/yr
EQT 0007	T-6 - Ammonia Storage Tank	3000 gallons			ammonia	8760 hr/yr
EQT 0008	CT1 - Cooling Tower No. 1					8760 hr/yr
EQT 0009	CT2 - Cooling Tower #2					8760 hr/yr
EQT 0010	IB1 - Boiler 1					8760 hr/yr
EQT 0011	IB2 - Boiler 2					8760 hr/yr
FUG 0001	E1 - Transfer Point - Emergency File Material Handling					400 hr/yr
FUG 0002	FUG2 - Material Handling - Outside Conveyors					8760 hr/yr
FUG 0003	FUG 3 - Emergency File Wind Erosion					(None Specified)
FUG 0004	FUG 4 - Fugitive Dust from Paved Roads					8760 hr/yr
FUG 0005	TP1 - Transfer Point - Barge Unloader					2250 hr/yr
FUG 0006	TP2 - Transfer Point - Unloading Hopper to Conveyor C-1					2250 hr/yr
FUG 0007	TP3 - Transfer Point - Conveyor C-1 to Conveyor C-2					2250 hr/yr
FUG 0008	TP4 - Transfer House 1 - Conveyor C-2 to Conveyor C-3 or C-4					2250 hr/yr
FUG 0009	TP5 - Limestone Storage Dome - Dust Collection System					8760 hr/yr
FUG 0010	TP6 - Fuel Storage Dome - Dust Collection System					8760 hr/yr
FUG 0011	TP7 - Fuel Crusher House - Dust Collection System					8760 hr/yr
FUG 0012	TP8 - Fuel Silos - Dust Collection System					8760 hr/yr
FUG 0013	TP9 - Limestone Transfer Tower - Conveyor C-9 to Conveyor C-10					2500 hr/yr
FUG 0014	TP10 - Limestone Silo and Crusher - Dust Collection System					8760 hr/yr
FUG 0015	TP11 - Ash Silo - Dust Collection System					8760 hr/yr
FUG 0016	TP12 - Ash Truck Loading					5500 hr/yr
FUG 0017	TP13 - Lime Silo - Dust Collection System					52 hr/yr
FUG 0018	FUG-1 - Natural Gas Piping Fugitive Emissions					(None Specified)

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
Big Cajun 1 Power Plant Facility							
EOT 0001	CFB-1 - CFB Boiler	60.2	638642	15		320	270
EOT 0004	GEN - Emergency Generator	56	1680	.5		20	265

INVENTORIES

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
 Activity Number: PER20080001
 Permit Number: 2260-00007-V2
 Air - Title V Regular Permit Reopening

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
Big Cajun I Power Plant Facility							
EQT 0008 CT1 - Cooling Tower No. 1		27.2		28		48	40
EQT 0009 CT2 - Cooling Tower #2		27.2		28		48	40
EQT 0010 1B1 - Boiler 1		63	350000		92.18	184.5	310
EQT 0011 1B2 - Boiler 2		63	350000		92.18	184.5	310
FUG 0009 TP5 - Limestone Storage Dome - Dust Collection System		31.8	150000	10		25	
FUG 0010 TP6 - Fuel Storage Dome - Dust Collection System		31.8	150000	10		25	
FUG 0011 TP7 - Fuel Crusher House - Dust Collection System		38.1	220000	3.5		92	
FUG 0012 TP8 - Fuel Silos - Dust Collection System		38.2	45000	5		220	
FUG 0014 TP10 - Limestone Silo and Crusher - Dust Collection System		35.4	15000	3		215	
FUG 0015 TP11 - Ash Silo - Dust Collection System		28.3	3000	1.5		160	
FUG 0017 TP13 - Lime Silo - Dust Collection System		27.2	2000	1.25		100	

Relationships:**Subject Item Groups:**

ID	Group Type	Group Description
CRG 0001	Common Requirements Group	MACT - MACT Requirements for CFB Boiler
GRP 0004	Scenario	CFB-1 SUISD - CFB-1 Start-up/Shut-down
GRP 0005	Scenario	CFB-1 NO - CFB-1 Normal Operations
GRP 0006	Equipment Group	ARR - Acid Rain Requirements
GRP 0007	Scenario	1B1 NO-NG - 1B1 Normal Operations - Natural Gas
GRP 0008	Scenario	1B1 NO-FO - 1B1 Normal Operations - Fuel Oil
GRP 0009	Equipment Group	B1B2CR - Boiler 1 and Boiler 2 Common Requirements
GRP 0010	Scenario	1B2 NO-NG - 1B2 Normal Operations - Natural Gas
GRP 0011	Scenario	1B2 NO-FO - 1B2 Normal Operations - Fuel Oil
UNF 0001	Unit or Facility Wide	Entire Facility - Big Cajun I Power Plant Facility

Group Membership:

ID	Description	Member of Groups
EQT 0001	CFB-1 - CFB Boiler	CRGG0000000001, GRP0000000004, GRP0000000005, GRP0000000006
EQT 0002	CTG-1 - Combustion Turbine Generator #1	GRP0000000006
EQT 0003	CTG-2 - Combustion Turbine Generator #2	GRP0000000006
EQT 0010	1B1 - Boiler 1	GRP0000000007, GRP0000000008, GRP0000000009
EQT 0011	1B2 - Boiler 2	GRP0000000006, GRP0000000010, GRP0000000011

INVENTORIES

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
 Activity Number: PER20080001
 Permit Number: 2260-00007-V2
 Air - Title V Regular Permit Reopening

Group Membership	ID	Description	Member of Groups
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NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multplier	Units Of Measure
1420	1420 C) Electric Power Gen. (Natural Gas Fired) (Rated Capacity)	0	MW
1400	1400 A) Electric Power Gen. (Over 0.7 percent S in Fuel) (Rated Capacity)	470	MW

SIC Codes:

4911	Electric services	AI 11917
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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
 Activity Number: PER20080001
 Permit Number: 2260-000007-V2

Air - Title V Regular Permit Reopening

All phases

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Big Cajun 1 Power Plant Facility															
EQT 0002 CTG-1	78.70	102.80	125.90	109.60	171.40	175.40	17.00	22.30	27.20	0.84	1.10	1.34	2.55	3.33	4.08
EQT 0003 CTG-2	78.70	102.80	125.90	109.60	171.40	175.40	17.00	22.30	27.20	0.84	1.10	1.34	2.55	3.33	4.08
EQT 0004 GEN	0.23	0.23	0.01	1.90	1.90	1.90	0.05	0.03	<0.01	0.001	0.001	0.001	0.07	0.07	0.002
EQT 0005 T-5													0.03	3.97	0.11
EQT 0006 T-3													0.10	0.10	0.45
EQT 0008 CT1										6.43	6.43	28.15			
EQT 0009 CT2										6.43	6.43	28.15			
FUG 0018 FUG-1													0.15	0.15	0.64

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
 Activity Number: PER20080001
 Permit Number: 2260-00007-V2

Air - Title V Regular Permit Reopening

Phase I

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	
Big Cajun 1 Power Plant Facility															
EQT 0010		259.90				1576.80						2522.77			
1B1		259.90				1576.80						2522.77			
EQT 0011		259.90				1576.80						2522.77			
1B2		259.90				1576.80						2522.77			
GRP 0007	98.90	98.90	259.90	804.00	1576.80	9.00	23.70	0.70	0.70	1.90	6.50	6.50	17.00		
1B1 NO-NG	42.90	42.90	112.60	205.70	540.60	28.20	74.11	959.96	959.96	2522.77	6.50	6.50	17.00		
GRP 0008	98.90	98.90	259.90	804.00	1576.80	9.00	23.70	0.70	0.70	1.90	6.50	6.50	17.00		
1B1 NO-FO	42.90	42.90	112.60	205.70	540.60	28.20	74.11	959.96	959.96	2522.77	6.50	6.50	17.00		
GRP 0009						3153.6									
81B2CR															
GRP 0010	98.90	98.90	259.90	804.00	1576.80	9.00	23.70	0.70	0.70	1.90	6.50	6.50	17.00		
1B2 NO-NG	42.90	42.90	112.60	205.70	540.60	28.20	74.11	959.96	959.96	2522.77	6.50	6.50	17.00		
GRP 0011															
1B2 NO-FO															

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

Emission rates Notes:

GRP 0009 NOx Tons/Year This limitation shall apply to the combined nitrogen oxides emissions from EQT 10 and EQT 11. Permittee shall calculate the total nitrogen oxides emissions for the last twelve consecutive months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Nitrogen oxides emissions above the maximum listed in this specific condition for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the monthly total nitrogen oxides emissions as well as the last twelve month cumulative totals shall be submitted to the Office of Environmental Compliance, Surveillance Division by February 15 for the preceding calendar year. Which Months: All Year

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
 Activity Number: PER200080001
 Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

Phase II

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Big Cajun 1 Power Plant Facility															
EQT-0001 CFB-1			973.69			680.00			107.00			1458.00			45.70
FUG 0001 E1							0.01	0.80	0.03						
FUG 0002 FUG2							0.32	1.88	1.42						
FUG 0003 FUG3							0.22	1.48	0.04						
FUG 0004 FUG4							0.81	1.21	3.54						
FUG 0005 TP1							0.03	0.13	0.03						
FUG 0006 TP2							0.03	0.13	0.03						
FUG 0007 TP3							0.02	0.06	0.03						
FUG 0008 TP4							0.001	0.01	0.01						
FUG 0009 TP5							0.002	0.01	0.01						
FUG 0010 TP6							0.01	0.04	0.06						
FUG 0011 TP7							0.001	0.002	0.003						
FUG 0012 TP8							0.01	0.01	0.01						
FUG 0013 TP9							0.01	0.01	0.01						
FUG 0014 TP10							0.01	0.02	0.02						
FUG 0015 TP11							<0.001	<0.001	0.002						
FUG 0016 TP12							0.09	0.18	0.25						
FUG 0017 TP13							0.22	0.22	0.01						
GRP 0004 CFB-1 SU/SD	332.90			249.60									1877.80		
GRP 0005 CFB-1 NO	222.00	255.00	972.00	155.00	179.00	680.00	24.40	25.60	107.00	333.00	383.00	1458.00	10.43	12.00	45.70

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)

Activity Number: PER20080001

Permit Number: 2260-00007-V2

Air - Title V Regular Permit Reopening

All phases

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0002 CTG-1	1,3-Butadiene	0.001	0.001	0.001
	Acetaldehyde	0.051	0.067	0.080
	Acrolein	0.008	0.011	0.010
	Benzene	0.015	0.020	0.020
	Ethyl benzene	0.041	0.054	0.070
	Formaldehyde	0.912	1.192	1.460
	Naphthalene	0.002	0.002	0.003
	Polynuclear Aromatic Hydrocarbons	0.003	0.004	0.005
	Propylene oxide	0.037	0.049	0.060
	Toluene	0.167	0.218	0.270
EQT 0003 CTG-2	Xylene (mixed isomers)	0.082	0.107	0.130
	1,3-Butadiene	0.001	0.001	0.001
	Acetaldehyde	0.051	0.067	0.080
	Acrolein	0.008	0.011	0.010
	Benzene	0.015	0.020	0.020
	Ethyl benzene	0.041	0.054	0.070
	Formaldehyde	0.912	1.192	1.460
	Naphthalene	0.002	0.002	0.003
	Polynuclear Aromatic Hydrocarbons	0.003	0.004	0.005
	Propylene oxide	0.037	0.049	0.060
EQT 0007 T-6	Toluene	0.167	0.218	0.270
	Xylene (mixed isomers)	0.082	0.107	0.130
EQT 0008 CT1	Ammonia	0.252	10.658	1.106
EQT 0009 CT2	Chlorine	0.680	0.680	3.000
UNF 0001 Entire Facility	Chlorine	0.680	0.680	3.000
	1,1,1-Trichloroethane			0.010
				0.035
	1,1,2,2-Tetrachloroethane			0.012
	1,2-Dichloropropane			0.032
	1,3-Butadiene			0.002
	1,4-Dichlorobenzene			0.008
	2,4,6-Trichlorophenol			<0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)

Activity Number: PER20080001

Permit Number: 2260-00007-V2

Air - Title V Regular Permit Reopening

All phases

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0001 Entire Facility	2,4-Dinitrophenol			<0.001
	2,4-Dinitrotoluene			<0.001
	2-Methylnaphthalene			<0.001
	Acetaldehyde			0.160
				1.113
	Acetophenone			0.004
	Acrolein			0.020
				3.980
	Ammonia			1.106
				26.406
	Antimony (and compounds)			0.010
	Arsenic (and compounds)			0.026
				0.234
	Barium (and compounds)			0.028
				0.165
	Benzene			0.052
				4.460
	Benzyl chloride			0.200
	Beryllium (Table 51.1)			0.012
				0.018
	Biphenyl			0.001
	Bromoform			0.011
	Cadmium (and compounds)			0.018
				0.029
	Carbon disulfide			0.037
	Carbon tetrachloride			0.044
	Chlorinated Dibenzo-P-Dioxins			0.002
	Chlorinated dibenzofurans			0.000002
	Chlorine			6.000
	Chlorobenzene			0.038
	Chloroethane			0.012
	Chloroform			0.042

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)

Activity Number: PER20080001

Permit Number: 2260-00007-V2

Air - Title V Regular Permit Reopening

All phases

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0001 Entire Facility	Chromium VI (and compounds)			0.006
				0.045
	Cobalt compounds			<0.001
				0.057
	Copper (and compounds)			0.038
				0.048
	Cumene			0.002
	Cyanide compounds			0.715
	Dichloromethane			0.356
	Dimethyl sulfate			0.014
	Ethyl benzene			0.142
				0.194
	Formaldehyde			4 406
				7.300
	Hydrochloric acid			3.430
	Hydrofluoric acid			0.429
	Isophorone			0.166
	Lead compounds			0.056
				0.240
	Manganese (and compounds)			0.038
				1.810
	Mercury (and compounds)			0.018
	Methyl Tertiary Butyl Ether			0.010
	Methyl bromide			0.046
	Methyl chloride			0.152
	Methyl ethyl ketone			0.111
	Methyl methacrylate			0.006
	Monomethyl hydrazine			0.049
	Naphthalene			0.056
				0.107
	Nickel (and compounds)			0.018
				0.160

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)

Activity Number: PER20080001

Permit Number: 2260-00007-V2

Air - Title V Regular Permit Reopening

All phases

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0001 Entire Facility	Phenol			0.054
	Polynuclear Aromatic Hydrocarbons			0.142
				0.212
	Propionaldehyde			0.109
	Propylene oxide			0.120
	Selenium (and compounds)			0.094
				0.743
	Styrene			1.853
	Sulfuric acid			13.600
	Thallium			<0.001
	Toluene			0.820
				0.956
	Trichloroethylene			0.029
	Vinyl acetate			0.002
	Vinyl chloride			0.017
	Xylené (mixed isomers)			0.260
				0.294
	Zinc (and compounds)			0.010
				0.180
	alpha-Chloroacetophenone			0.002
	n-Hexane			0.019
				11.130
	pentachloro-Phenol			<0.001

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)

Activity Number: PER20080001

Permit Number: 2260-00007-V2

Air - Title V Regular Permit Reopening

Phase I

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0010 1B1	1,1,1-Trichloroethane			0.005
	1,4-Dichlorobenzene			0.004
	Arsenic (and compounds)			0.013
	Barium (and compounds)			0.014
	Benzene			0.006
	Beryllium (Table 51.1)			0.009
	Cadmium (and compounds)			0.009
	Chromium VI (and compounds)			0.003
	Cobalt compounds			<0.001
	Copper (and compounds)			0.019
	Ethyl benzene			0.001
	Formaldehyde			0.743
	Lead compounds			0.028
	Manganese (and compounds)			0.019
	Mercury (and compounds)			0.009
	Naphthalene			0.025
	Nickel (and compounds)			0.009
	Polynuclear Aromatic Hydrocarbons			0.101
	Selenium (and compounds)			0.047
	Toluene			0.140
	Zinc (and compounds)			0.090
	n-Hexane			5.565
EQT 0011 1B2	1,1,1-Trichloroethane			0.005
	1,4-Dichlorobenzene			0.004
	Arsenic (and compounds)			0.013
	Barium (and compounds)			0.014
	Benzene			0.006
	Beryllium (Table 51.1)			0.009
	Cadmium (and compounds)			0.009
	Chromium VI (and compounds)			0.003
	Cobalt compounds			<0.001
	Copper (and compounds)			0.019

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)

Activity Number: PER20080001

Permit Number: 2260-00007-V2

Air - Title V Regular Permit Reopening

Phase I

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0011 1B2	Ethyl benzene			0.001
	Formaldehyde			0.743
	Lead compounds			0.028
	Manganese (and compounds)			0.019
	Mercury (and compounds)			0.009
	Naphthalene			0.025
	Nickel (and compounds)			0.009
	Polynuclear Aromatic Hydrocarbons			0.101
	Selenium (and compounds)			0.047
	Toluene			0.140
	Zinc (and compounds)			0.090
GRP 0007 1B1 NO-NG	n-Hexane			5.565
	1,4-Dichlorobenzene	0.001	0.001	0.004
	Arsenic (and compounds)	<0.001	<0.001	0.001
	Barium (and compounds)	0.005	0.005	0.014
	Benzene	0.002	0.002	0.006
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	0.001	0.001	0.003
	Chromium VI (and compounds)	<0.001	<0.001	0.001
	Cobalt compounds	<0.001	<0.001	<0.001
	Copper (and compounds)	<0.001	<0.001	0.003
	Formaldehyde	0.088	0.088	0.232
	Lead compounds	<0.001	<0.001	0.002
	Manganese (and compounds)	<0.001	<0.001	0.001
	Mercury (and compounds)	<0.001	<0.001	0.001
	Naphthalene	<0.001	<0.001	0.002
	Nickel (and compounds)	0.003	0.003	0.006
	Polynuclear Aromatic Hydrocarbons	0.001	0.001	0.002
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Toluene	0.004	0.004	0.011
	Zinc (and compounds)	0.034	0.034	0.090
	n-Hexane	2.120	2.120	5.565

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)

Activity Number: PER20080001

Permit Number: 2260-00007-V2

Air - Title V Regular Permit Reopening

Phase I

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
GRP 0008 1B1 NO-FO	1,1,1-Trichloroethane	0.002	0.002	0.005
	Arsenic (and compounds)	0.005	0.005	0.013
	Benzene	0.002	0.002	0.005
	Beryllium (Table 51.1)	0.004	0.004	0.009
	Cadmium (and compounds)	0.004	0.004	0.009
	Chromium VI (and compounds)	0.001	0.001	0.003
	Copper (and compounds)	0.007	0.007	0.019
	Ethyl benzene	0.001	0.001	0.001
	Formaldehyde	0.283	0.283	0.743
	Lead compounds	0.011	0.011	0.028
	Manganese (and compounds)	0.007	0.007	0.019
	Mercury (and compounds)	0.004	0.004	0.009
	Naphthalene	0.010	0.010	0.025
	Nickel (and compounds)	0.004	0.004	0.009
	Polynuclear Aromatic Hydrocarbons	0.038	0.038	0.101
GRP 0010 1B2 NO-NG	Selenium (and compounds)	0.018	0.018	0.047
	Toluene	0.053	0.053	0.140
	Zinc (and compounds)	0.005	0.005	0.013
	1,4-Dichlorobenzene	0.001	0.001	0.004
	Arsenic (and compounds)	<0.001	<0.001	0.001
	Barium (and compounds)	0.005	0.005	0.014
	Benzene	0.002	0.002	0.006
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	0.001	0.001	0.003
	Chromium VI (and compounds)	<0.001	<0.001	0.001
	Cobalt compounds	<0.001	<0.001	<0.001
	Copper (and compounds)	<0.001	<0.001	0.003
	Formaldehyde	0.088	0.088	0.232
	Lead compounds	<0.001	<0.001	0.002
	Manganese (and compounds)	<0.001	<0.001	0.001
	Mercury (and compounds)	<0.001	<0.001	0.001
	Naphthalene	<0.001	<0.001	0.002

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)

Activity Number: PER20080001

Permit Number: 2260-00007-V2

Air - Title V Regular Permit Reopening

Phase I

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
GRP 0010 1B2 NO-NG	Nickel (and compounds)	0.003	0.003	0.006
	Polynuclear Aromatic Hydrocarbons	0.001	0.001	0.002
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Toluene	0.004	0.004	0.011
	Zinc (and compounds)	0.034	0.034	0.090
	n-Hexane	2.120	2.120	5.565
GRP 0011 1B2 NO-FO	1,1,1-Trichloroethane	0.002	0.002	0.005
	Arsenic (and compounds)	0.005	0.005	0.013
	Benzene	0.002	0.002	0.005
	Beryllium (Table 51.1)	0.004	0.004	0.009
	Cadmium (and compounds)	0.004	0.004	0.009
	Chromium VI (and compounds)	0.001	0.001	0.003
	Copper (and compounds)	0.007	0.007	0.019
	Ethyl benzene	0.001	0.001	0.001
	Formaldehyde	0.283	0.283	0.743
	Lead compounds	0.011	0.011	0.028
	Manganese (and compounds)	0.007	0.007	0.019
	Mercury (and compounds)	0.004	0.004	0.009
	Naphthalene	0.010	0.010	0.025
	Nickel (and compounds)	0.004	0.004	0.009
	Polynuclear Aromatic Hydrocarbons	0.038	0.038	0.101
	Selenium (and compounds)	0.018	0.018	0.047
	Toluene	0.053	0.053	0.140
	Zinc (and compounds)	0.005	0.005	0.013

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)

Activity Number: PER20080001

Permit Number: 2260-00007-V2

Air - Title V Regular Permit Reopening

Phase II

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0001 CFB-1	1,1,1-Trichloroethane			0.035
	1,1,2,2-Tetrachloroethane			0.012
	1,2-Dichloropropane			0.032
	2,4,6-Trichlorophenol			<0.001
	2,4-Dinitrophenol			<0.001
	2,4-Dinitrotoluene			<0.001
	2-Methylnaphthalene			<0.001
	Acetaldehyde			0.953
	Acetophenone			0.004
	Acrolein			3.960
	Ammonia			25.300
	Antimony (and compounds)			0.010
	Arsenic (and compounds)			0.234
	Barium (and compounds)			0.165
	Benzene			4.420
	Benzyl chloride			0.200
	Beryllium (Table 51 1)			0.012
	Biphenyl			0.001
	Bromoform			0.011
	Cadmium (and compounds)			0.029
	Carbon disulfide			0.037
	Carbon tetrachloride			0.044
	Chlorinated Dibenzo-P-Dioxins			0.002
	Chlorinated dibenzofurans			0.000002
	Chlorobenzene			0.038
	Chloroethane			0.012
	Chloroform			0.042
	Chromium VI (and compounds)			0.045
	Cobalt compounds			0.057
	Copper (and compounds)			0.048
	Cumene			0.002
	Cyanide compounds			0.715

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)

Activity Number: PER20080001

Permit Number: 2260-00007-V2

Air - Title V Regular Permit Reopening

Phase II

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0001 CFB-1	Dichloromethane			0.356
	Dimethyl sulfate			0.014
	Ethyl benzene			0.054
	Formaldehyde			4.338
	Hydrochloric acid			3.430
	Hydrofluoric acid			0.429
	Isophorone			0.166
	Lead compounds			0.240
	Manganese (and compounds)			1.810
	Mercury (and compounds)			0.007
	Methyl Tertiary Butyl Ether			0.010
	Methyl bromide			0.046
	Methyl chloride			0.152
	Methyl ethyl ketone			0.111
	Methyl methacrylate			0.006
	Monomethyl hydrazine			0.049
	Naphthalene			0.101
	Nickel (and compounds)			0.160
	Phenol			0.054
	Polynuclear Aromatic Hydrocarbons			0.132
	Propionaldehyde			0.109
	Selenium (and compounds)			0.743
	Styrene			1.853
	Sulfuric acid			13.600
	Toluene			0.956
	Trichloroethylene			0.029
	Vinyl acetate			0.002
	Vinyl chloride			0.017
	Xylene (mixed isomers)			0.034
	Zinc (and compounds)			0.010
	alpha-Chloroacetophenone			0.002
	n-Hexane			0.019

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)

Activity Number: PER20080001

Permit Number: 2260-00007-V2

Air - Title V Regular Permit Reopening

Phase II

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0001 CFB-1	pentachloro-Phenol			<0.001
FUG 0001 E1	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.001	<0.001	<0.001
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.001	<0.001	<0.001
	Manganese (and compounds)	<0.001	<0.001	<0.001
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Thallium	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.001	<0.001	<0.001
FUG 0002 FUG2	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	0.001	0.001	0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.001	<0.001	<0.001
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.001	<0.001	<0.001
	Manganese (and compounds)	<0.001	<0.001	<0.001
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	0.001	0.002	0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Thallium	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.001	<0.001	<0.001
FUG 0003 FUG 3	Antimony (and compounds)	<0.001	<0.001	<0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)

Activity Number: PER20080001

Permit Number: 2260-00007-V2

Air - Title V Regular Permit Reopening

Phase II

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0003 FUG 3	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.001	<0.001	<0.001
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.001	<0.001	<0.001
	Manganese (and compounds)	<0.001	<0.001	<0.001
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Thallium	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.001	<0.001	<0.001
FUG 0005 TP1	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.001	<0.001	<0.001
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.001	<0.001	<0.001
	Manganese (and compounds)	<0.001	<0.001	<0.001
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Thallium	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.001	<0.001	<0.001
FUG 0006 TP2	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)

Activity Number: PER20080001

Permit Number: 2260-00007-V2

Air - Title V Regular Permit Reopening

Phase II

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0006 TP2	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.001	<0.001	<0.001
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.001	<0.001	<0.001
	Manganese (and compounds)	<0.001	<0.001	<0.001
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
FUG 0007 TP3	Thallium	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.001	<0.001	<0.001
	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.001	<0.001	<0.001
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.001	<0.001	<0.001
	Manganese (and compounds)	<0.001	<0.001	<0.001
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
FUG 0008 TP4	Selenium (and compounds)	<0.001	<0.001	<0.001
	Thallium	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.001	<0.001	<0.001
	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)

Activity Number: PER20080001

Permit Number: 2260-00007-V2

Air - Title V Regular Permit Reopening

Phase II

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0008 TP4	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.001	<0.001	<0.001
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.001	<0.001	<0.001
	Manganese (and compounds)	<0.001	<0.001	<0.001
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Thallium	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.001	<0.001	<0.001
FUG 0009 TP5	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.001	<0.001	<0.001
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.001	<0.001	<0.001
	Manganese (and compounds)	<0.001	<0.001	<0.001
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Thallium	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.001	<0.001	<0.001
FUG 0010 TP6	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.001	<0.001	<0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)

Activity Number: PER20080001

Permit Number: 2260-00007-V2

Air - Title V Regular Permit Reopening

Phase II

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0010 TP6	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.001	<0.001	<0.001
	Manganese (and compounds)	<0.001	<0.001	<0.001
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Thallium	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.001	<0.001	<0.001
FUG 0011 TP7	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.001	<0.001	<0.001
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.001	<0.001	<0.001
	Manganese (and compounds)	<0.001	<0.001	<0.001
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Thallium	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.001	<0.001	<0.001
FUG 0012 TP8	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.001	<0.001	<0.001
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.001	<0.001	<0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)

Activity Number: PER20080001

Permit Number: 2260-00007-V2

Air - Title V Regular Permit Reopening

Phase II

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0012 TP8	Manganese (and compounds)	<0.001	<0.001	<0.001
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Thallium	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.001	<0.001	<0.001
FUG 0015 TP11	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.001	<0.001	<0.001
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.001	<0.001	<0.001
	Manganese (and compounds)	<0.001	<0.001	<0.001
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Thallium	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.001	<0.001	<0.001
FUG 0016 TP12	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	0.001	0.001	0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.001	<0.001	<0.001
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.001	<0.001	<0.001
	Manganese (and compounds)	<0.001	<0.001	<0.001
	Mercury (and compounds)	<0.001	<0.001	<0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)

Activity Number: PER20080001

Permit Number: 2260-00007-V2

Air - Title V Regular Permit Reopening

Phase II

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0016 TP12	Nickel (and compounds)	0.002	0.002	0.002
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Thallium	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.001	<0.001	<0.001
GRP 0005 CFB-1 NO	1,1,1-Trichloroethane	0.008	0.008	0.035
	1,1,2,2-Tetrachloroethane	0.003	0.003	0.012
	1,2-Dichloropropane	0.007	0.008	0.032
	2,4,6-Trichlorophenol	<0.001	<0.001	<0.001
	2,4-Dinitrophenol	<0.001	<0.001	<0.001
	2,4-Dinitrotoluene	<0.001	<0.001	<0.001
	2-Methylnaphthalene	<0.001	<0.001	<0.001
	Acetaldehyde	0.218	0.229	0.953
	Acetophenone	0.001	0.001	0.004
	Acrolein	0.905	0.950	3.960
	Ammonia	5.770	18.200	25.300
	Antimony (and compounds)	0.002	0.002	0.010
	Arsenic (and compounds)	0.054	0.056	0.234
	Barium (and compounds)	0.038	0.040	0.165
	Benzene	1.008	1.060	4.420
	Benzyl chloride	0.046	0.048	0.200
	Beryllium (Table 51.1)	0.003	0.003	0.012
	Biphenyl	<0.001	<0.001	0.001
	Bromoform	0.003	0.003	0.011
	Cadmium (and compounds)	0.007	0.007	0.029
	Carbon disulfide	0.008	0.009	0.037
	Carbon tetrachloride	0.010	0.010	0.044
	Chlorinated Dibenzo-P-Dioxins	<0.001	<0.001	0.002
	Chlorinated dibenzofurans	0.0000004	0.0000004	0.000002
	Chlorobenzene	0.009	0.009	0.038
	Chloroethane	0.003	0.003	0.012
	Chloroform	0.010	0.010	0.042
	Chromium VI (and compounds)	0.010	0.011	0.045

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)

Activity Number: PER20080001

Permit Number: 2260-00007-V2

Air - Title V Regular Permit Reopening

Phase II

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
GRP 0005 CFB-1 NO	Cobalt compounds	0.013	0.014	0.057
	Copper (and compounds)	0.011	0.011	0.048
	Cumene	<0.001	<0.001	0.002
	Cyanide compounds	0.163	0.171	0.715
	Dichloromethane	0.081	0.085	0.356
	Dimethyl sulfate	0.003	0.003	0.014
	Ethyl benzene	0.012	0.013	0.054
	Formaldehyde	0.990	1.040	4.338
	Hydrochloric acid	0.783	0.822	3.430
	Hydrofluoric acid	0.098	0.103	0.429
	Isophorone	0.038	0.040	0.166
	Lead compounds	0.055	0.058	0.240
	Manganese (and compounds)	0.413	0.433	1.810
	Mercury (and compounds)	0.002	0.002	0.007
	Methyl Tertiary Butyl Ether	0.002	0.002	0.010
	Methyl bromide	0.010	0.011	0.046
	Methyl chloride	0.035	0.036	0.152
	Methyl ethyl ketone	0.025	0.027	0.111
	Methyl methacrylate	0.001	0.001	0.006
	Monomethyl hydrazine	0.011	0.012	0.049
	Naphthalene	0.023	0.024	0.101
	Nickel (and compounds)	0.037	0.038	0.160
	Phenol	0.012	0.013	0.054
	Polynuclear Aromatic Hydrocarbons	0.030	0.032	0.132
	Propionaldehyde	0.026	0.026	0.109
	Selenium (and compounds)	0.170	0.178	0.743
	Styrene	0.423	0.444	1.853
	Sulfuric acid	3.110	3.110	13.600
	Toluene	0.218	0.229	0.956
	Trichloroethylene	0.007	0.007	0.029
	Vinyl acetate	<0.001	<0.001	0.002
	Vinyl chloride	0.004	0.004	0.017

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)

Activity Number: PER20080001

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Phase II

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
GRP 0005 CFB-1 NO	Xylene (mixed isomers)	0.008	0.008	0.034
	Zinc (and compounds)	0.002	0.002	0.010
	alpha-Chloroacetophenone	<0.001	<0.001	0.002
	n-Hexane	0.004	0.005	0.019
	(pentachloro-Phenol	<0.001	<0.001	<0.001
UNF 0001 Entire Facility	Mercury (and compounds)			0.007

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

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EQT 0001 CFB-1 - CFB Boiler

- 1 [40 CFR 60.42Da.b] Opacity ≤ 20 percent, except for one 6-minute period per hour of not more than 27% opacity. Subpart Da. [40 CFR 60.42Da(b)]
 Which Months: All Year Phases: Phase II Statistical Basis: Six-minute average
 Particulate matter (10 microns or less) $\leq 0.015 \text{ lb/MMBTU}$ (6.4 ng/J) heat input. Subpart Da. [40 CFR 60.42Da(c)(2)]
 Which Months: All Year Phases: Phase II Statistical Basis: None specified
 Particulate matter (10 microns or less) $\leq 0.015 \text{ lb/MMBTU}$ (6.4 ng/J) heat input. Subpart Da. [40 CFR 60.42Da(c)(2)]
 Sulfur dioxide $\leq 1.4 \text{ lb/MWh}$ (180 ng/J) gross energy output. Subpart Da. [40 CFR 60.43Da(1)(i)]
 Which Months: All Year Phases: Phase II Statistical Basis: Thirty-day rolling average
 Nitrogen oxides $\leq 1.0 \text{ lb/MWh}$ (130 ng/J) gross energy output. Subpart Da. [40 CFR 60.44Da(e)(1)]
 Which Months: All Year Phases: Phase II Statistical Basis: Thirty-day rolling average
 Do not discharge into the atmosphere any gases from a new affected source that contain Hg in excess of the computed weighted Hg emissions limit based on the proportion of energy output (in British thermal units, Btu) contributed by each coal rank burned during the compliance period and its applicable Hg emissions limit in 40 CFR 60.45Da(a)(1) through (4) as determined using Equation 1 of 40 CFR 60.45Da(a)(5)(i). Meet the weighted Hg emissions limit calculated using Equation 1 of 40 CFR 60.45Da(a)(5)(i) by calculating the unit emission rate based on the total Hg loading of the unit and the total Btu or megawatts hours contributed by all fuels burned during the compliance period. Subpart Da. [40 CFR 60.45Da(a)(5)], Phases: Phase II
 Phases: Phase II
 Apply to DEQ for a commercial demonstration permit when proposing to demonstrate an emerging technology. Subpart Da. [40 CFR 60.47Data)], Phases: Phase II
 Phases: Phase II
 Comply with the particulate matter emission standards under 40 CFR 60.42Da at all times except during periods of startup, shutdown, or malfunction. Subpart Da. [40 CFR 60.48Da(c)], Phases: Phase II
 Phases: Phase II
 Comply with the nitrogen oxides emission standards under 40 CFR 60.44Da at all times except during periods of startup, shutdown, and malfunction. Subpart Da. [40 CFR 60.48Da(c)], Phases: Phase II
 Phases: Phase II
 Comply with the Hg emission standards under 40 CFR 60.45Da at all times except during periods of startup, shutdown, or malfunction. Subpart Da. [40 CFR 60.48Da(c)], Phases: Phase II
 Phases: Phase II
 During emergency conditions in the principal company, do not operate an affected facility with a malfunctioning flue gas desulfurization system unless sulfur dioxide emissions are minimized in accordance with the requirements of 60.46Da(d)(1) through (d)(3). Subpart Da. [40 CFR 60.48Da(d)], Phases: Phase II
 Phases: Phase II
 Show compliance with the sulfur dioxide standards by completing a separate performance test at the end of each boiler operating day after the initial performance test, and calculating a new 30-day average emission rate and percent reduction. Subpart Da. [40 CFR 60.48Data)], Phases: Phase II
 Phases: Phase II

SPECIFIC REQUIREMENTS

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EQT 0001 CFB-1 - CFB Boiler

- 12 [40 CFR 60.48Da(c)] Show compliance with the nitrogen oxides standards by completing a separate performance test at the end of each boiler operating day after the initial performance test, and calculating a new 30-day average emission rate. Subpart Da. [40 CFR 60.48Da(e)]. Phases: Phase II
Phases: Phase II
- 13 [40 CFR 60.48Da(f)] Schedule the initial performance test so that the first boiler operating day of the 30 successive boiler operating days is completed within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of the facility. Subpart Da. [40 CFR 60.48Da(f)]. Phases: Phase II
Phases: Phase II
- 14 [40 CFR 60.48Da(g)(1)] Determine compliance with the SO₂ and NO_x emission standards by calculating the arithmetic average of all hourly emission rates for SO₂ and NO_x for the 30 successive boiler operating days, except for data obtained during startup, shutdown, malfunction (NO_x only), or emergency conditions (SO₂ only). Subpart Da. [40 CFR 60.48Da(g)(1)]. Phases: Phase II
Phases: Phase II
- 15 [40 CFR 60.48Da(g)(2)] Determine compliance with SO₂ percentage reduction requirements based on the average inlet and outlet SO₂ emission rates for the 30 successive boiler operating days. Subpart Da. [40 CFR 60.48Da(g)(2)]. Phases: Phase II
Phases: Phase II
- 16 [40 CFR 60.48Da(g)(3)] Determine compliance with particulate matter emission limitations by calculating the arithmetic average of all hourly emission rates for particulate matter each boiler operating day, except for data obtained during startup, shutdown, and malfunction. Subpart Da. [40 CFR 60.48Da(g)(3)]. Phases: Phase II
Phases: Phase II
- 17 [40 CFR 60.48Da(i)] Calculate NO_x emissions by multiplying the average hourly NO_x output concentration, measured according to the provisions of 40 CFR 60.49Da(c), by the average hourly flow rate, measured according to the provisions of 40 CFR 60.49Da(l), and dividing by the average hourly gross energy output, measured according to the provisions of 40 CFR 60.49Da(k). Subpart Da. [40 CFR 60.48Da(i)]. Phases: Phase II
Phases: Phase II
- 18 [40 CFR 60.48Da(l)] Calculate the Hg emissions by multiplying the average hourly SO₂ output concentration, measured according to the provisions of 40 CFR 60.49Da(b), by the average hourly flow rate, measured according to the provisions of 40 CFR 60.49Da(l), and divided by the average hourly gross energy output, measured according to provisions of 40 CFR 60.49Da(m). Subpart Da. [40 CFR 60.48Da(m)]. Phases: Phase II
Phases: Phase II
- 19 [40 CFR 60.48Da(m)] Opacity recordkeeping by electronic or hard copy continuously, except as provided for in 40 CFR 60.49Da(t) and (u). Subpart Da. [40 CFR 60.49Da(a)]
Phases: Phase II
- 20 [40 CFR 60.49Da(a)]

SPECIFIC REQUIREMENTS

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EQT 0001 CFB-1 - CFB Boiler

- 21 [40 CFR 60.49Da.a] Opacity monitored by continuous opacity monitor (COM) continuously, except as provided for in 40 CFR 60.49Da(t) and (u). If opacity interference due to water droplets exists in the stack, monitor opacity upstream of the interference (at the inlet to the FGD system). If opacity interference is experienced at all locations, monitor alternate parameters indicative of the particulate matter control system's performance (subject to the approval of DEQ). Subpart Da. [40 CFR 60.49Da(a)]
Which Months: All Year Phases: Phase II Statistical Basis: Six-minute average
Sulfur dioxide monitored by CMS continuously. Monitor at both the inlet and outlet of the sulfur dioxide control device. Subpart Da. [40 CFR 60.49Da(b)]
Which Months: All Year Phases: Phase II Statistical Basis: One-hour average
Sulfur dioxide recordkeeping by electronic or hard copy continuously. Subpart Da. [40 CFR 60.49Da(b)]
Phases: Phase II
- 22 [40 CFR 60.49Da.b] Oxygen or Carbon dioxide monitored by CMS continuously. Monitor the oxygen or carbon dioxide content of the flue gases at each location where sulfur dioxide or nitrogen oxides emissions are monitored. Subpart Da. [40 CFR 60.49Da(d)]
Which Months: All Year Phases: Phase II Statistical Basis: One-hour average
Oxygen or Carbon dioxide recordkeeping by electronic or hard copy continuously. Record the oxygen or carbon dioxide content of the flue gases at each location where sulfur dioxide or nitrogen oxides emissions are monitored. Subpart Da. [40 CFR 60.49Da(d)]
Phases: Phase II
- 23 [40 CFR 60.49Da.b] Obtain emission data for at least 90 percent of all operating hours for each 30 successive boiler operating days. If this minimum data requirement cannot be met with a continuous monitoring system, supplement emission data with other monitoring systems approved by DEQ or the reference methods and procedures as described in 40 CFR 60.49Da(h). Subpart Da. [40 CFR 60.49Da(f)(2)], Phases: Phase II
- 24 [40 CFR 60.49Da.d] Mercury monitored by continuous emission monitor (CEM) continuously. Monitor the concentration of Hg in the exhaust gases from each stack according to the requirements in 40 CFR 60.49Da(p)(1) through (3). Subpart Da. [40 CFR 60.49Da(p)]
Which Months: All Year Phases: Phase II Statistical Basis: One-hour average
Mercury recordkeeping by electronic or hard copy continuously. Record the concentration of Hg in the exhaust gases from each stack according to the requirements in 40 CFR 60.49Da(p)(1) through (3). Subpart Da. [40 CFR 60.49Da(p)]
Phases: Phase II
- 25 [40 CFR 60.49Da.d] Submit plan: Due to DEQ for approval of a unit-specific monitoring plan for each monitoring system, at least 45 days before commencing certification testing of the monitoring systems. Address in the plan the requirements in 40 CFR 60.49Da(s)(1) through (6). Subpart Da. [40 CFR 60.49Da(s)], Phases: Phase II
- 26 [40 CFR 60.49Da.f.2] Phases: Phase II
- 27 [40 CFR 60.49Da.p] Use as reference methods and procedures the methods specified in 40 CFR 60Da, Appendix A or the methods and procedures as specified in 40 CFR 60.50Da, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart Da. [40 CFR 60.50Da(a)], Phases: Phase II
- 28 [40 CFR 60.49Da.p] Phases: Phase II
- 29 [40 CFR 60.49Da.s] Determine compliance with the particulate matter standards in 40 CFR 60.42Da using the methods and procedures specified in 40 CFR 60.50Da(b)(1) through (b)(3). Subpart Da. [40 CFR 60.50Da(b)], Phases: Phase II
- 30 [40 CFR 60.50Da.a] Phases: Phase II
- 31 [40 CFR 60.50Da.b] Phases: Phase II

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EQT 0001 CFB-1 - CFB Boiler

- 32 [40 CFR 60.50Da(c)] Determine compliance with the sulfur dioxide standards in 40 CFR 60.43Da using the methods and procedures specified in 40 CFR 60.50Da(c)(1) through (c)(5). Subpart Da. [40 CFR 60.50Da(c)], Phases: Phase II
Phases: Phase II
- 33 [40 CFR 60.50Da(d)] Determine compliance with the nitrogen oxides standard in 40 CFR 60.44Da using the methods and procedures specified in 40 CFR 60.50Da(d)(1) and (d)(2). Subpart Da. [40 CFR 60.50Da(d)], Phases: Phase II
Phases: Phase II
- 34 [40 CFR 60.50Da(g)] Use the procedures in 40 CFR 60.50Da(g)(1) through (2) to calculate emission rates based on electrical output to the grid plus half of the equivalent electrical energy in the unit's process stream, for the purposes of determining compliance with the emission limits in 40 CFR 60.45Da and 60.46Da. Subpart Da. [40 CFR 60.50Da(g)], Phases: Phase II
Phases: Phase II
- 35 [40 CFR 60.50Da(h)] Determine compliance with the Hg limit in 40 CFR 60.45Da using the procedures specified in 40 CFR 60.50Da(h)(1) through (h)(3). Subpart Da. [40 CFR 60.50Da(h)], Phases: Phase II
Phases: Phase II
- 36 [40 CFR 60.51Da(a)] Submit the performance test data from the initial performance test and from the performance evaluation of the continuous monitors (including the transmissometer). Subpart Da. [40 CFR 60.51Da(a)], Phases: Phase II
Phases: Phase II
- 37 [40 CFR 60.51Da(b)] Submit the information specified in 40 CFR 60.51Da(b)(1) through (b)(9) for each 24-hour period. Subpart Da. [40 CFR 60.51Da(b)], Phases: Phase II
Phases: Phase II
- 38 [40 CFR 60.51Da(c)] Submit report. Due semiannually for each six-month period. If the minimum quantity of emission data as required by 40 CFR 60.49Da is not obtained for any 30 successive boiler operating days, report the information specified in 40 CFR 60.51Da(c)(1) through (c)(5), obtained under the requirements of 40 CFR 60.48Da(h), for that 30-day period. Subpart Da. [40 CFR 60.51Da(c)], Phases: Phase II
Phases: Phase II
- 39 [40 CFR 60.51Da(d)] Submit a signed statement if any standards under 40 CFR 60.43Da are exceeded during emergency conditions because of control system malfunction. Indicate if emergency conditions existed and requirements under 40 CFR 60.48Da(d) were met during each period. List the time periods the emergency condition existed; the electrical output and demand on the electric utility system and the affected facility; the amount of power purchased from interconnected neighboring utility companies during the emergency period; the percent reduction in emissions achieved; the atmospheric emission rate (ng/J) of the pollutant discharged; and the actions taken to correct control system malfunction. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(d)], Phases: Phase II
Phases: Phase II
- 40 [40 CFR 60.51Da(f)] Submit a signed statement indicating if any changes were made in operation of the emission control system during periods of data unavailability for any periods for which opacity, sulfur dioxide or nitrogen oxides emissions data are not available. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(f)], Phases: Phase II
Phases: Phase II
- 41 [40 CFR 60.51Da(g)] Submit report. Due semiannually for each six-month period. Submit the information specified in 40 CFR 60.51Da(g)(1) through (5). Subpart Da. [40 CFR 60.51Da(g)], Phases: Phase II
Phases: Phase II

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EQT 001 CFB-1 - CFB Boiler

- 42 [40 CFR 60.51Da.h] Submit a signed statement indicating whether the required continuous monitoring system calibration, span, and drift checks or other periodic audits have or have not been performed as specified; the data used to show compliance was or was not obtained in accordance with approved methods and procedures of 40 CFR 60 and is representative of plant performance; the minimum data requirements have or have not been met; or, the minimum data requirements have not been met for errors that were unavoidable; and compliance with the standards has or has not been achieved during the reporting period. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(h)], Phases: Phase II
Phases: Phase II
- 43 [40 CFR 60.51Da.i] Submit excess emissions report: Due quarterly. Submit opacity levels in excess of the applicable opacity standard and the date of such excesses. Subpart Da. [40 CFR 60.51Da(i)], Phases: Phase II
- 44 [40 CFR 60.52Da] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Provide notifications in accordance with 40 CFR 60.7(a). Subpart Da.
Phases: Phase II
- 45 [40 CFR 60.52Da] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of all information needed to demonstrate compliance including performance tests, monitoring data, fuel analyses, and calculations, consistent, with the requirements of 40 CFR 60.7(f). Subpart Da.
Phases: Phase II
- 46 [40 CFR 64.3.b.3] Specific QA/QC Procedures: Calibrate, operate, and maintain instrumentation using procedures that take into account manufacturer's specifications. [40 CFR 64.3(b)(3)], Phases: Phase II
Phases: Phase II
- 47 [40 CFR 64.4.e] Comply with the submitted implementation plan and schedule for installing, testing and performing any other appropriate activities prior to use of the monitoring, if any, of the approved monitoring in this permit requires installation, testing, or other necessary activities prior to use of the monitoring for purposes of 40 CFR 64. Implement monitoring as expeditiously as practicable after approval of the monitoring pursuant to 40 CFR 64.6, but in no case shall the period for completing installation and beginning operation of the monitoring exceed 180 days after the date of commercial operation of this unit. [40 CFR 64.4(e)], Phases: Phase II
Phases: Phase II
- 48 [40 CFR 64.6.c.] Equipment/operational data monitored by technically sound method continuously. [40 CFR 64.6(c)(1)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified
- 49 [40 CFR 64.6.c.2] Submit Notification: Due at the DEQ upon the establishment or reestablishment of any exceedance or excursion level, for purposes of responding to and reporting exceedances or excursions under 40 CFR 64.7 and 64.8. [40 CFR 64.6(c)(2)], Phases: Phase II
Phases: Phase II
- 50 [40 CFR 64.6.c.2] An excursion or exceedance is defined as an opacity reading or a differential pressure reading that falls outside of the indicator range established in the initial performance test. [40 CFR 64.6(c)(2)], Phases: Phase II
Phases: Phase II
- 51 [40 CFR 64.6.c.4] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. [40 CFR 64.6(c)(4)]
Phases: Phase II

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EQT 001 CFB-1 - CFB Boiler

52 [40 CFR 64.6(d)]

Schedule for installation, testing or final verification of operational status: Permittee shall install a continuous opacity monitoring system (COMS) and differential pressure gauges on the baghouse that controls particulate matter emissions from this source. This installation shall occur prior to initial startup of this unit. Within 180 days of the commencement of commercial operation, permittee shall conduct a performance test to determine the indicator ranges for both the COMS and the differential pressure gauges that show compliance with the applicable particulate matter limitations. During the performance test, this source shall fire the worst case fuel configuration for the generation of particulate matter. [40 CFR 64.6(d)]. Phases: Phase II

Phases: Phase II
Conduct the monitoring required under 40 CFR 64 upon issuance of a part 70 or 71 permit that includes such monitoring, or by such later date specified in the permit pursuant to 40 CFR 64.6(d). [40 CFR 64.7(a)], Phases: Phase II

53 [40 CFR 64.7.a]
54 [40 CFR 64.7.b]
55 [40 CFR 64.7.c]

Maintain the monitoring required under 40 CFR 64 at all times, including but not limited to maintaining necessary parts for routine repairs of the monitoring equipment. [40 CFR 64.7(b)], Phases: Phase II

Phases: Phase II
Conduct all monitoring required under 40 CFR 64 in continuous operation (or collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments). Do not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities for purposes of 40 CFR 64, including data averages and calculations, or for fulfilling a minimum data availability requirement, if applicable. Use all the data collected during all other periods in assessing the operation of the control device and associated control system. [40 CFR 64.7(c)], Phases: Phase II

Phases: Phase II
Restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable upon detecting an excursion or exceedance, in accordance with good air pollution control practices for minimizing emissions. Minimize the period of any startup, shutdown or malfunction, and take any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). [40 CFR 64.7(d)(1)], Phases: Phase II

Phases: Phase II
Submit written notification: Due to the Office of Environmental Compliance within 72 hours upon identifying a failure to achieve compliance with the particulate matter emission limitation for which, after approval of monitoring under 40 CFR 64, the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions. If necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. [40 CFR 64.7(e)], Phases: Phase II

Phases: Phase II
Submit report: Due on and after the date specified in 40 CFR 64.7(a) by which the owner or operator must use monitoring that meets the requirements of 40 CFR 64. Submit monitoring reports to the DEQ in accordance with 40 CFR 70.6(a)(3)(ii). Include in a report for monitoring under 40 CFR 64, at a minimum, the information required under 40 CFR 70.6(a)(3)(iii) and the information specified in 40 CFR 64.9(a)(2)(i) through (a)(2)(iii), as applicable. [40 CFR 64.9(a)], Phases: Phase II

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- 59 [40 CFR 64.9.b.1] Comply with the recordkeeping requirements specified in 40 CFR 70.6(a)(3)(ii). [40 CFR 64.9(b)(1)], Phases: Phase II
Phases: Phase II
Monitoring data recordkeeping by electronic or hard copy at the approved frequency. Maintain these records for a period of at least five years.
- 60 [40 CFR 64.9.b.1] [40 CFR 64.9(b)(1)]
Phases: Phase II
Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Maintain records of monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to 40 CFR 64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Maintain these records for a period of at least five years.
[40 CFR 64.9(b)(1)]
Phases: Phase II
- 61 [40 CFR 64.9.b.1] To determine SO2 emissions, install, certify, operate, and maintain in accordance with all the requirements of 40 CFR 75 a SO2 continuous emission monitoring system and a flow monitoring system with an automated data acquisition and handling system for measuring and recording SO2 concentration (in ppm), volumetric gas flow (in scfh), and SO2 mass emissions (in lb/hr) discharged to the atmosphere, except as provided in 40 CFR 75.11 and 75.16 and subpart E of 40 CFR 75. [40 CFR 75.10(a)(1)], Phases: Phase II
Phases: Phase II
Install, certify, operate, and maintain a continuous opacity monitoring system with the automated data acquisition and handling system for measuring and recording the opacity of emissions (in percent opacity) discharged to the atmosphere, except as provided in 40 CFR 75.14 and 75.18. [40 CFR 75.10(a)(4)], Phases: Phase II
Phases: Phase II
Each continuous opacity monitoring system shall meet the design, installation, equipment, and performance specifications in Performance Specification 1 in appendix B to 40 CFR 60. [40 CFR 75.14(a)], Phases: Phase II
Phases: Phase II
Excess emissions of NOX under 40 CFR 77.6 shall be calculated in accordance with 40 CFR 76.13. , Phases: Phase II
Phases: Phase II
The designated representative shall submit, by the applicable deadline under 40 CFR 76.9(b), a complete Acid Rain permit application (or, if the unit is covered by an Acid Rain permit, a complete permit revision) that includes a complete compliance plan for NOX emissions covering the unit. [40 CFR 76.9(a)], Phases: Phase II
Phases: Phase II
The designated representative shall submit a complete Acid Rain permit application, including a complete compliance plan for NOX emissions covering the unit, in accordance with the deadlines in 40 CFR 72.30(c). [40 CFR 76.9(d)], Phases: Phase II
Phases: Phase II
Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or laning, charging of an incinerator, equipment changes, ash removal or cleaning of baghouses, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Phases: Phase II Statistical Basis: None specified
- 62 [40 CFR 75.10.a.1]
- 63 [40 CFR 75.10.a.4]
- 64 [40 CFR 75.14.a]
- 65 [40 CFR 76.13]
- 66 [40 CFR 76.9.a]
- 67 [40 CFR 76.9.d]
- 68 [LAC 33:III.1101.B]

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

EQT 0001 CFB-1 - CFB Boiler

- 69 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. , Phases: Phase II
- 70 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 71 [LAC 33:III.1313.C] Which Months: All Year Phases: Phase II Statistical Basis: Six-minute average Total suspended particulate <= 0.6 lb/MMBTU of heat input.
- 72 [LAC 33:III.1503.C] Which Months: All Year Phases: Phase II Statistical Basis: None specified Sulfur dioxide <= 2000 ppmv at standard conditions.
- 73 [LAC 33:III.1503.D.] Which Months: All Year Phases: Phase II Statistical Basis: Three-hour average Determine sulfur dioxide and sulfuric acid mist concentrations in stack gases using the methods in LAC 33:III.1503.D. Table 4. Use these methods for initial compliance determinations and for additional compliance determinations for those facilities not subject to continuous emission monitoring. Compliance with 40 CFR 75.11(d)(2) shall be determined as compliance with this specific condition except for the initial compliance determination. , Phases: Phase II
- 74 [LAC 33:III.1511.A] Phases: Phase II Sulfur dioxide monitored by continuous emission monitor (CEM) continuously. Ensure that the measurement system is certified according to Performance Specification 2 of 40 CFR 60, Appendix B, and quality assured by the procedures in 40 CFR 60, Appendix F.
- 75 [LAC 33:III.1513] Which Months: All Year Phases: Phase II Statistical Basis: None specified Submit quarterly reports of three-hour excess emissions and reports of emergency conditions, in accordance with LAC 33:III. Chapter 39. , Phases: Phase II
- 76 [LAC 33:III.1513] Phases: Phase II Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III. Chapter 15. , Phases: Phase II
- 77 [LAC 33:III.1513] Phases: Phase II Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III. Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.
- 78 [LAC 33:III.505] Phases: Phase II Comply with the applicable Acid Rain emissions limitation for nitrogen oxides. [LAC 33:III.505, 40 CFR 72.9(d)]. Phases: Phase II
- 79 [LAC 33:III.509] Nitrogen oxides <= 0.07 lb/MMBTU.
- 80 [LAC 33:III.509] Which Month: All Year Phases: Phase II Statistical Basis: Thirty-day rolling average Permittee shall not fire non-chemically treated wood and/or bagasse in amounts that exceed ten (10) percent of the total fuel being fired in this boiler. , Phases: Phase II
- Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

EQT 0001 CFB-1 - CFB Boiler

- 81 [LAC 33:III.509] Fuel rate recordkeeping by electronic or hard copy monthly. Keep records of the total amount of each type of fuel fired in this boiler each month, as well as the total amount of each type of fuel fired in this boiler for the last twelve months. Make records available for inspection by DEQ personnel.
- Carbon monoxide $\leq 0.10 \text{ lb/MMBTU/hr}$. This limit shall apply when the boiler operates at greater than or equal to 60 percent of its maximum heat input of $2,330 \text{ MMBTU/hr}$.
- Which Months: All Year Phases: Phase II Statistical Basis: Thirty-day rolling average
- Permittee shall monitor and record the fuel firing rate of each fuel fired in this boiler. Records shall be kept on-site for a period of no less than two (2) years and made available for inspection by LDEQ personnel. , Phases: Phase II
- Phases: Phase II
- Permittee shall fire only petroleum coke, coal, bagasse, and non-chemically treated wood products in this boiler. Natural gas shall only be fired as a start-up fuel. , Phases: Phase II
- Phases: Phase II
- At no time and under no circumstances shall this unit be operated concurrently with EQT 10 and/or EQT 11.
- Particulate matter (10 microns or less) $\leq 0.011 \text{ lb/MMBTU}$.
- Which Months: All Year Phases: Phase II Statistical Basis: Thirty-day rolling average
- Fuel rate monitored by technically sound method continuously. Permittee shall monitor the fuel firing rate of all fuels fired in this boiler.
- Which Months: All Year Statistical Basis: None specified
- Sulfur dioxide $\leq 0.15 \text{ lb/MMBTU}$.
- Which Months: All Year Phases: Phase II Statistical Basis: Thirty-day rolling average
- Sulfuric acid $\leq 0.0012 \text{ lb/MMBTU}$.
- Which Months: All Year Phases: Phase II Statistical Basis: Thirty-day rolling average
- Permittee shall not operate this unit at less than 60 percent of its maximum heat input rate of $2,330 \text{ MMBTU/hr}$ except in one of the following situations: a. when one or more of the steam turbines to which this unit supplies steam is unable to accept steam from this unit;⁸
- b. during the start-up of this unit; or
- c. during the shut-down of this unit. , Phases: Phase II
- Phases: Phase II
- Carbon monoxide $\leq 0.15 \text{ lb/MMBTU}$. This limit shall apply when the unit is operating at less than 60 percent of its maximum heat input of $2,330 \text{ MMBTU/hr}$.
- Which Months: All Year Phases: Phase II Statistical Basis: 24-hour average
- 91 [LAC 33:III.509]

SPECIFIC REQUIREMENTS

AI ID: 111917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

EQT 0001 CFB-1 - CFB Boiler

- 92 [LAC 33:III.509]
Permittee shall use a boiler that employs circulating fluidized bed technology in addition to selective non-catalytic reduction in order to control emissions of nitrogen oxides.
Permittee shall use a boiler that employs circulating fluidized bed technology in addition to limestone injection and flue gas desulfurization scrubber in order to control emissions of sulfur dioxide and sulfuric acid mist.
Permittee shall use a boiler that employs circulating fluidized bed technology in addition to a fabric filter in order to control emissions of particulate matter.
Permittee shall utilize good combustion practices in order to control emissions of carbon monoxide and volatile organic compounds. Determined as BACT. Phases: Phase II

Phases: Phase II
VOC, Total <= 0.0047 lb/MMBTU.
Which Months: All Year Phases: Phase II Statistical Basis: Thirty-day rolling average

EQT 0002 CTG-1 - Combustion Turbine Generator #1

- Nitrogen oxides <= 0.0075 % by volume at 15% oxygen and on a dry basis in gases discharged to the atmosphere. Use analytical methods and procedures that are accurate to within 5 percent and are approved by DEQ to determine the nitrogen content of the fuel being fired per 40 CFR 60.335(a). Subpart GG. [40 CFR 60.332(a)(1)]
Which Months: All Year Statistical Basis: None specified
Sulfur dioxide <= 0.015 % by volume at 15 percent oxygen and on a dry basis in gases discharged to the atmosphere. Subpart GG. [40 CFR 60.333(a)]
Which Months: All Year Statistical Basis: None specified
Fuel sulfur content <= 0.8 % by weight (8000 ppmw) for any fuel burned. Subpart GG. [40 CFR 60.333(b)]
Which Months: All Year Statistical Basis: None specified
Ratio monitored by CMS continuously, except as specified in 40 CFR 60.334(b). Monitor the ratio of water or steam to fuel being fired in the turbine. Subpart GG. [40 CFR 60.334(a)]
Which Months: All Year Statistical Basis: None specified
Fuel monitored by CMS continuously, except as specified in 40 CFR 60.334(b). Monitor fuel consumption. Subpart GG. [40 CFR 60.334(a)]
Which Months: All Year Statistical Basis: None specified
Fuel recordkeeping by CMS continuously. Record fuel consumption. Subpart GG. [40 CFR 60.334(a)]
Ratio recordkeeping by CMS continuously. Record the ratio of water or steam to fuel being fired in the turbine. Subpart GG. [40 CFR 60.334(a)]
Carbon dioxide and Nitrogen oxides monitored by continuous emission monitor (CEM) continuously as specified in 40 CFR 60.334(b)(1) through (b)(3). Subpart GG. [40 CFR 60.334(b)]
Which Months: All Year Statistical Basis: None specified
Carbon dioxide and Nitrogen oxides recordkeeping by electronic or hard copy continuously as specified in 40 CFR 60.334(b)(1) through (b)(3). Subpart GG. [40 CFR 60.334(b)]

SPECIFIC REQUIREMENTS

AI ID: 111917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)

Activity Number: PER20080001

Permit Number: 2260-00007-V2

Air - Title V Regular Permit Reopening

EQT 0002 CTG-1 - Combustion Turbine Generator #1

103 [40 CFR 60.334.g]

Monitor the steam or water to fuel ratio or other parameters that are continuously monitored as described in 40 CFR 60.334(a), (d) or (f) during the performance test required under 40 CFR 60.8, to establish acceptable values and ranges. Develop and keep on-site a parameter monitoring plan which explains the procedures used to document proper operation of the NOx emission controls. Include the parameter(s) monitored and the acceptable range(s) of the parameter(s) as well as the basis for designating the parameter(s) and acceptable range(s). Include any supplemental data such as engineering analyses, design specifications, manufacturer's recommendations and other relevant information in the monitoring plan. Subpart GG. [40 CFR 60.334(g)]

Fuel sulfur content monitored by the regulations specified method(s) at the regulation's specified frequency, except as specified in 40 CFR 60.334(h)(3). Monitor the total sulfur content of the fuel being fired in the turbine using total sulfur methods described in 40 CFR 60.335(b)(10). Subpart GG. [40 CFR 60.334(h)(1)]

Which Months: All Year Statistical Basis: None specified

Fuel nitrogen content monitored by the regulation's specified method(s) at the regulation's specified frequency. Monitor the nitrogen content of the fuel combusted in the turbine, if claiming an allowance for fuel bound nitrogen. Determine the nitrogen content of the fuel using methods described in 40 CFR 60.335(b)(9) or an approved alternative. Subpart GG. [40 CFR 60.334(h)(2)]

Which Months: All Year Statistical Basis: None specified

Submit quarterly excess emissions report: Due by the 30th day following the end of each calendar quarter. Report periods during which an exemption provided in 40 CFR 60.332(f) is in effect. Report the date and time the air pollution control system was deactivated, and the date and time the air pollution control system was reactivated. Subpart GG. [40 CFR 60.334(j)(3)]

Include each period during which an exemption provided in 40 CFR 60.332(k) is in effect in the report required in 40 CFR 60.7(c). For each period, report the type, reasons, and duration of the firing of the emergency fuel. Subpart GG. [40 CFR 60.334(j)(4)]

Submit excess emissions reports and monitor downtime in accordance with 40 CFR 60.7(c). Report excess emissions for all periods of unit operation, including startup, shutdown and malfunction. Subpart GG. [40 CFR 60.334(j)]

Determine compliance using the test methods and procedures specified in 40 CFR 60.335(a) through (c). Subpart GG.

Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

Which Months: All Year Statistical Basis: Six-minute average

Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

To ensure initial compliance with permitted emission limits, a stack test shall be performed for this source. The following test methods and procedures from New Source Performance Standards, 40 CFR 60, Appendix A, shall be used:]

a. NOx by methods and procedures specified by 40 CFR 60.335(c).

b. Carbon monoxide by Method 10 - Determination of Carbon Monoxide emissions from Stationary Sources.C
c. Opacity by Method 9 - Visual Determination of Emissions from Stationary Sources

d. PM10 by Method 5 - Determination of Particulate emissions from Stationary Sources.
Permittee shall use good combustion practices in order to control emissions of carbon monoxide. Determined as BACT.

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER2008001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

EQT 0002 CTG-1 - Combustion Turbine Generator #1

Permittee shall ensure compliance with the opacity and particulate emission limits of this permit by visually inspecting this source for visible emissions on a weekly basis. If visible emissions are detected, then, within three (3) working days, the permittee shall conduct a six minute opacity reading in accordance with EPA Reference Method 9. Records of visible emission checks shall include emission point ID, date visual check was performed, a record if visible emissions were detected, and a record of any Method 9 testing conducted and the results of any Method 9 test. These records shall be kept on site and made available for inspection by the Office of Environmental Compliance, Surveillance Division. Permittee shall use dry low NO_x burners (DLN) in order to control emissions of nitrogen oxides. Determined as BACT.

Permittee shall fuel this source with pipeline quality natural gas in addition to employing good combustion practices in order to control emissions of particulate matter. Determined as BACT.

Carbon monoxide <= 25 ppmv at 15% oxygen. This limit shall apply when the unit operates at greater than or equal to 75% of rated load.

Which Months: All Year Statistical Basis: Hourly average

Nitrogen oxides <= 23 ppmv at 15% oxygen.

Which Months: All Year Statistical Basis: Hourly average

Permittee shall install, maintain, and calibrate a continuous emissions monitoring system (CEMS) to provide a continuous record for NO_x for this source. Monitoring records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. []

[] Permittee shall calculate and record the total NO_x emissions each month based on the CEM reading, as well as for the last twelve consecutive months. These records shall be kept on site and made available for inspection by the Office of Environmental Compliance, Surveillance Division. NO_x emissions above the maximum permitted limits for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the monthly total NO_x emissions as well as the last twelve month cumulative totals shall be submitted to the Office of Environmental Compliance, Surveillance Division by February 15 for the preceding calendar year.

EQT 0003 CTG-2 - Combustion Turbine Generator #2

Nitrogen oxides <= 0.0075 % by volume at 15% oxygen and on a dry basis in gases discharged to the atmosphere. Use analytical methods and procedures that are accurate to within 5 percent and are approved by DEQ to determine the nitrogen content of the fuel being fired per 40 CFR 60.335(a). Subpart GG. [40 CFR 60.332(a)(1)]

Which Months: All Year Statistical Basis: None specified

Sulfur dioxide <= 0.015 % by volume at 15 percent oxygen and on a dry basis in gases discharged to the atmosphere. Subpart GG. [40 CFR 60.333(a)]

Which Months: All Year Statistical Basis: None specified

Fuel sulfur content <= 0.8 % by weight (8000 ppmw) for any fuel burned. Subpart GG. [40 CFR 60.333(b)]

Which Months: All Year Statistical Basis: None specified
Ratio recordkeeping by CMS continuously. Record the ratio of water or steam to fuel being fired in the turbine. Subpart GG. [40 CFR 60.334(a)]

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)

Activity Number: PER20080001

Permit Number: 2260-09007-V2

Air - Title V Regular Permit Reopening

EQT 003 CTG-2 - Combustion Turbine Generator #2

- 124 [40 CFR 60.334.a] Fuel monitored by CMS continuously, except as specified in 40 CFR 60.334(b). Monitor fuel consumption. Subpart GG. [40 CFR 60.334(a)]
Which Months: All Year Statistical Basis: None specified
Ratio monitored by CMS continuously, except as specified in 40 CFR 60.334(b). Monitor the ratio of water or steam to fuel being fired in the turbine. Subpart GG. [40 CFR 60.334(a)].
- 125 [40 CFR 60.334.a] Which Months: All Year Statistical Basis: None specified
Fuel recordkeeping by CMS continuously. Record fuel consumption. Subpart GG. [40 CFR 60.334(a)]
- 126 [40 CFR 60.334.a] Carbon dioxide and Nitrogen oxides monitored by continuous emission monitor (CEM) continuously as specified in 40 CFR 60.334(b)(1) through (b)(3). Subpart GG. [40 CFR 60.334(b)]
- 127 [40 CFR 60.334.b] Which Months: All Year Statistical Basis: None specified
Carbon dioxide and Nitrogen oxides recordkeeping by electronic or hard copy continuously as specified in 40 CFR 60.334(b)(1) through (b)(3). Subpart GG. [40 CFR 60.334(b)]
- 128 [40 CFR 60.334.b] Monitor the steam or water to fuel ratio or other parameters that are continuously monitored as described in 40 CFR 60.334(a), (d) or (f) during the performance test required under 40 CFR 60.8, to establish acceptable values and ranges. Develop and keep on-site a parameter monitoring plan which explains the procedures used to document proper operation of the NOx emission controls. Include the parameter(s) monitored and the acceptable range(s) of the parameter(s) as well as the basis for designating the parameter(s) and acceptable range(s). Include any supplemental data such as engineering analyses, design specifications, manufacturer's recommendations and other relevant information in the monitoring plan. Subpart GG. [40 CFR 60.334(g)]
- 129 [40 CFR 60.334.g] Fuel sulfur content monitored by the regulations specified method(s) at the regulation's specified frequency, except as specified in 40 CFR 60.334(h)(3). Monitor the total sulfur content of the fuel being fired in the turbine using total sulfur methods described in 40 CFR 60.335(b)(10). Subpart GG. [40 CFR 60.334(h)(1)]
- 130 [40 CFR 60.334.h.1] Which Months: All Year Statistical Basis: None specified
Fuel nitrogen content monitored by the regulation's specified method(s) at the regulation's specified frequency. Monitor the nitrogen content of the fuel combusted in the turbine, if claiming an allowance for fuel bound nitrogen. Determine the nitrogen content of the fuel using methods described in 40 CFR 60.335(b)(9) or an approved alternative. Subpart GG. [40 CFR 60.334(h)(2)]
- 131 [40 CFR 60.334.h.2] Which Months: All Year Statistical Basis: None specified
Submit quarterly excess emissions report: Due by the 30th day following the end of each calendar quarter. Report periods during which an exemption provided in 40 CFR 60.332(f) is in effect. Report the date and time the air pollution control system was deactivated, and the date and time the air pollution control system was reactivated. Subpart GG. [40 CFR 60.334(j)(3)]
Include each period during which an exemption provided in 40 CFR 60.332(k) is in effect in the report required in 40 CFR 60.7(c). For each period, report the type, reasons, and duration of the firing of the emergency fuel. Subpart GG. [40 CFR 60.334(j)(4)]
Submit excess emissions reports and monitor downtime in accordance with 40 CFR 60.7(c). Report excess emissions for all periods of unit operation, including startup, shutdown and malfunction. Subpart GG. [40 CFR 60.334(j)]
Determine compliance using the test methods and procedures specified in 40 CFR 60.335(a) through (c). Subpart GG.
- 132 [40 CFR 60.334.j.3] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
Which Months: All Year Statistical Basis: Six-minute average
- 133 [40 CFR 60.334.j.4]
- 134 [40 CFR 60.334.j]
- 135 [40 CFR 60.335]
- 136 [LAC 33:III.1311.C]

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

EQT 003 CTG-2 - Combustion Turbine Generator #2

137 [LAC 33:III.1513]

Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. Permittee shall install, maintain, and calibrate a continuous emissions monitoring system (CEMS) to provide a continuous record for NOx for this source. Monitoring records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. []

[] Permittee shall calculate and record the total NOx emissions each month based on the CEM reading, as well as for the last twelve consecutive months. These records shall be kept on site and made available for inspection by the Office of Environmental Compliance, Surveillance Division. NOx emissions above the maximum permitted limits for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. A report showing the monthly total NOx emissions as well as the last twelve month cumulative totals shall be submitted to the Office of Environmental Compliance, Surveillance Division by February 15 for the preceding calendar year.

Carbon monoxide <= 25 ppmv at 15% oxygen. This limit shall apply when the unit operates at greater than or equal to 75% of rated load.

Which Months: All Year Statistical Basis: Hourly average

Permittee shall use dry low NOx burners (DLN) in order to control emissions of nitrogen oxides. Determined as BACT.
Nitrogen oxides <= 23 ppmv at 15% oxygen.

Which Months: All Year Statistical Basis: Hourly average

Permittee shall ensure compliance with the opacity and particulate emission limits of this permit by visually inspecting this source for visible emissions on a weekly basis. If visible emissions are detected, then, within three (3) working days, the permittee shall conduct a six minute opacity reading in accordance with EPA Reference Method 9. Records of visible emission checks shall include emission point ID, date visual check was performed, a record if visible emissions were detected, and a record of any Method 9 testing conducted and the results of any Method 9 test. These records shall be kept on site and made available for inspection by the Office of Environmental Compliance, Surveillance Division. Permittee shall fuel this source with pipeline quality natural gas in addition to employing good combustion practices in order to control emissions of particulate matter. Determined as BACT.

Permittee shall use good combustion practices in order to control emissions of carbon monoxide. Determined as BACT.
To ensure initial compliance with permitted emission limits, a stack test shall be performed for this source. The following test methods and procedures from New Source Performance Standards, 40 CFR 60, Appendix A, shall be used: C

[]

- a. NOx by methods and procedures specified by 40 CFR 60.335(c)
- b. Carbon monoxide by Method 10 - Determination of Carbon Monoxide emissions from Stationary Sources
- c. Opacity by Method 9 - Visual Determination of Opacity of Emissions from Stationary Sources
- d. PM 10 by Method 5 - Determination of Particulate emissions from Stationary Sources.

EQT 004 GEN - Emergency Generator

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

EQT 0004 GEN - Emergency Generator

- 146 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: Six-minute average
Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

EQT 0005 T-5 - Gasoline Tank

- 148 [LAC 33:III.2103.A] Equip with a submerged fill pipe.
149 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
150 [LAC 33:III.2103.J] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.1.1 - 7, as applicable.

EQT 0006 T-3 - Gasoline Storage Tank

- 151 [LAC 33:III.2103.A] Equip with a submerged fill pipe.
152 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
153 [LAC 33:III.2103.J] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.1.1 - 7, as applicable.

EQT 0010 1B1 - Boiler 1

- 154 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Phases: Phase I Statistical Basis: None specified
Total suspended particulate <= 0.6 lb/MMBTU of heat input.
155 [LAC 33:III.1313.C] Which Months: All Year Phases: Phase I Statistical Basis: None specified
Determine sulfur dioxide and sulfuric acid mist concentrations in stack gases using the methods in LAC 33:III.1503.D.Table 4. Use these methods for initial compliance determinations and for additional compliance determinations for those facilities not subject to continuous emission monitoring. Compliance with 40 CFR 75.11(d)(2) shall be determined as compliance with this specific condition except for the initial compliance determination. , Phases: Phase I
156 [LAC 33:III.1503.D.1] Phases: Phase I

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)

Activity Number: PER20080001

Permit Number: 2260-00007-V2

Air - Title V Regular Permit Reopening

EQT 0010 1B1 - Boiler 1

157 [LAC 33:III.1513]

Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

Phases: Phase I

Submit quarterly reports of three-hour excess emissions and reports of emergency conditions, in accordance with LAC 33:III.Chapter 39. , Phases:

Phase I

Phases: Phase I

Submit notification: Due within seven days if the hours-per-ozone season limit is exceeded. , Phases: Phase I

Phases: Phase I

Submit permit modification: Due within 90 days after receipt of notification from DEQ of the loss of exemption due to exceedance of the hours-per-ozone season limit. Submit a permit modification detailing how to meet the applicable emission factor as soon as possible, but no later than 24 months, after exceeding the limit. Include a schedule of increments of progress for the installation and operation of the required control equipment. , Phases: Phase I

Phases: Phase I

Operating time recordkeeping by the regulation's specified method(s) upon occurrence of event. Record the operating time with a nonresettable, elapsed run-time meter.

Phases: Phase I

Permittee shall install, maintain, and calibrate a continuous emissions monitoring system to provide a continuous record for NOx on the stack of this boiler. Monitoring records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. , Phases: Phase I

Phases: Phase I

Permittee shall ensure compliance with the opacity and particulate emission limits of this permit by visually inspecting this source for visible emissions on a weekly basis. If visible emissions are detected, then, within three (3) working days, the permittee shall conduct a six minute opacity reading in accordance with EPA Reference Method 9. Records of visible emission checks shall include emission point ID, date visual check was performed, a record if visible emissions were detected, and a record of any Method 9 testing conducted and the results of any Method 9 test. These records shall be kept on site and made available for inspection by the Office of Environmental Compliance, Surveillance Division. , Phases: Phase I

Phases: Phase I

Permittee shall not fire this boiler at a rate that exceeds 60% of the maximum firing rate of 1,200 MMBTU/hr. , Phases: Phase I

Phases: Phase I

At no time and under no circumstances shall this unit be operated concurrently with EQT 1. Once EQT 1 achieves commercial operation, this unit shall cease all operations and be decommissioned.

EQT 0011 1B2 - Boiler 2

158 [LAC 33:III.1513]

159 [LAC 33:III.2201.H.12]

160 [LAC 33:III.2201.H.12]

161 [LAC 33:III.2201.H.12]

162 [LAC 33:III.501.C.6]

163 [LAC 33:III.501.C.6]

164 [LAC 33:III.501.C.6]

165 [LAC 33:III.509]

SPECIFIC REQUIREMENTS

AID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-00007-V2

Air - Title V Regular Permit Reopening

EQT 0011 1B2 - Boiler 2

166 [LAC 33:III.101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Phases: Phase I Statistical Basis: None specified

Total suspended particulate <= 0.6 lb/MMBTU of heat input.

Which Months: All Year Phases: Phase I Statistical Basis: None specified

Determine sulfur dioxide and sulfuric acid mist concentrations in stack gases using the methods in LAC 33:III.1503.D. Table 4. Use these methods for initial compliance determinations and for additional compliance determinations for those facilities not subject to continuous emission monitoring. Compliance with 40 CFR 75.11(d)(2) shall be determined as compliance with this specific condition except for the initial compliance determination. Phases: Phase I

Phases: Phase I

Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

Phases: Phase I

Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

Phases: Phase I

Submit quarterly reports of three-hour excess emissions and reports of emergency conditions, in accordance with LAC 33:III.Chapter 39. , Phases: Phase I

Phases: Phase I

Submit permit modification: Due within 90 days after receipt of notification from DEQ of the loss of exemption due to exceedance of the hours-per-ozone season limit. Submit a permit modification detailing how to meet the applicable emission factor as soon as possible, but no later than 24 months, after exceeding the limit. Include a schedule of increments of progress for the installation and operation of the required control equipment. , Phases: Phase I

Phases: Phase I

Submit notification: Due within seven days if the hours-per-ozone season limit is exceeded. , Phases: Phase I

Phases: Phase I

Operating time recordkeeping by the regulation's specified method(s) upon occurrence of event. Record the operating time with a nonresettable, elapsed run-time meter.

Phases: Phase I

Permittee shall install, maintain, and calibrate a continuous emissions monitoring system to provide a continuous record for NOx on the stack of this boiler. Monitoring records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. , Phases: Phase I

Phases: Phase I

167 [LAC 33:III.133.C]

168 [LAC 33:III.1503.D.1]

169 [LAC 33:III.1513]

170 [LAC 33:III.1513]

171 [LAC 33:III.1513]

172 [LAC 33:III.2201.H.12]

173 [LAC 33:III.2201.H.12]

174 [LAC 33:III.2201.H.12]

175 [LAC 33:III.501.C.6]

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)

Activity Number: PER20080001

Permit Number: 2260-000007-V2

Air - Title V Regular Permit Reopening

EQT 0011 1B2 - Boiler 2

176 [LAC 33.III.501.C.6]

177 [LAC 33.III.501.C.6]

Permittee shall not fire this boiler at a rate that exceeds 60% of the maximum firing rate of 1,200 MMBTU/hr. . Phases: Phase I

Phases: Phase I

Permittee shall ensure compliance with the opacity and particulate emission limits of this permit by visually inspecting this source for visible emissions on a weekly basis. If visible emissions are detected, then, within three (3) working days, the permittee shall conduct a six minute opacity reading in accordance with EPA Reference Method 9. Records of visible emission checks shall include emission point ID, date visual check was performed, a record if visible emissions were detected, and a record of any Method 9 testing conducted and the results of any Method 9 test. These records shall be kept on site and made available for inspection by the Office of Environmental Compliance, Surveillance Division.

Phases: Phase I

Phases: Phase I

At no time and under no circumstances shall this unit be operated concurrently with EQT 1. Once EQT 1 achieves commercial operation, this unit shall cease all operations and be decommissioned.

FUG 0001 E1 - Transfer Point - Emergency Pile Material Handling

179 [40 CFR 60.252.c]

Which Months: All Year Phases: Phase II Statistical Basis: None specified

Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.254(a). [40 CFR 60.254(b)]

Phases: Phase II

Phases: Phase II

Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).

Subpart Y. [40 CFR 60.254(b)], Phases: Phase II

Phases: Phase II

Total suspended particulate <= 0.05 g/dscm (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]

Which Months: All Year Phases: Phase II Statistical Basis: None specified

Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]

Which Months: All Year Phases: Phase II Statistical Basis: None specified

Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)]. Phases: Phase II

Phases: Phase II

Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)], Phases: Phase II

Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

FUG 0001 E1 - Transfer Point - Emergency Pile Material Handling

- 186 [40 CFR 60.672.h.2] Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)], Phases: Phase II
- 187 [40 CFR 60.675.a] Phases: Phase II
Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)], Phases: Phase II
- 188 [40 CFR 60.675.b.1] Phases: Phase II
Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified
- 189 [40 CFR 60.675.b.1] Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]
Phases: Phase II
- 190 [40 CFR 60.675.c] Phases: Phase II
Opacity recordkeeping by manual logging as needed. Record the individual test and the average result of the monitoring test listed in 40 CFR 60.675(c)(1) through (c)(4). Subpart OOO. [40 CFR 60.675(c)]
Phases: Phase II
- 191 [40 CFR 60.675.c] Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11, with the additions in 40 CFR 60.675(c)(1) through (c)(4), to determine compliance with the particulate matter standards in 40 CFR 60.672(b) and (c). Subpart OOO.
[40 CFR 60.675(c)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)], Phases: Phase II
Phases: Phase II
- 192 [40 CFR 60.675.g] Phases: Phase II
Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)], Phases: Phase II
- 193 [40 CFR 60.676.f] Phases: Phase II
Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)], Phases: Phase II
- 194 [40 CFR 60.676.i.1] Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

FUG 0001 E1 - Transfer Point - Emergency Pile Material Handling

- 195 [LAC 33.III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33.III.1305.A.1-7. , Phases: Phase II
Phases: Phase II
Permittee shall use best operating practices and telescopic chutes in order to control emissions of PM10. Determined as BACT. , Phases: Phase II
Phases: Phase II
- 196 [LAC 33.III.509] Phases: Phase II

FUG 0002 FUG2 - Material Handling - Outside Conveyors

- 197 [40 CFR 60.252.c] Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.254(a). [40 CFR 60.254(a)].
Phases: Phase II
Phases: Phase II
Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).
Subpart Y. [40 CFR 60.254(b)]. Phases: Phase II
Phases: Phase II
Total suspended particulate <= 0.05 g/dscm (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)]. Phases: Phase II
Phases: Phase II
Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)], Phases: Phase II
Phases: Phase II
Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)], Phases: Phase II
Phases: Phase II
- 198 [40 CFR 60.254.a]
199 [40 CFR 60.254.b]
200 [40 CFR 60.672.a.b]
201 [40 CFR 60.672.b]
202 [40 CFR 60.672.c]
203 [40 CFR 60.672.h.]
204 [40 CFR 60.672.h.2]

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

FUG 0002 FUG2 - Material Handling - Outside Conveyors

- 205 [40 CFR 60.675.a] Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)], Phases: Phase II
- 206 [40 CFR 60.675.b.1] Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]
Phases: Phase II
- 207 [40 CFR 60.675.b.1] Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity.
Subpart OOO. [40 CFR 60.675(b)(2)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
Phases: Phase II
- 208 [40 CFR 60.675.b.2] Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)], Phases: Phase II
- 209 [40 CFR 60.675.b.2] Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)], Phases: Phase II
- 210 [40 CFR 60.675.g] Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)], Phases: Phase II
- 211 [40 CFR 60.676.f] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. , Phases: Phase II
- 212 [LAC 33:III.1305] Phases: Phase II
Permittee shall use wind screens in order to control emissions of PM10. Determined as BACT. , Phases: Phase II
- 213 [LAC 33:III.509] Phases: Phase II
- 214 [LAC 33:III.509] Phases: Phase II

FUG 0003 FUG 3 - Emergency Pile Wind Erosion

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

FUG 0003 FUG 3 - Emergency Pile Wind Erosion

- Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. , Phases: Phase II
- Phases: Phase II
- Throughput monitored by technically sound method continuously.
- Which Months: All Year Phases: Phase II Statistical Basis: None specified
- Submit report: Due annually, by the 31st of March. Report the throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. , Phases: Phase II
- Phases: Phase II
- Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel.
- Phases: Phase II
- Permittee shall use best operating practices and telescopic chutes in order to control emissions of PM10. Determined as BACT. , Phases: Phase II
- Phases: Phase II

FUG 0004 FUG 4 - Fugitive Dust from Paved Roads

- Permittee shall pave all roads within the Big Cajun 1 Power Plant site. Permittee shall use best operating practices, including cleaning and sweeping of the roads, in order to control emissions of PM10. Determined as BACT. , Phases: Phase II
- Phases: Phase II

FUG 0005 TP1 - Transfer Point - Barge Unloader

- Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
- Which Months: All Year Phases: Phase II Statistical Basis: None specified
- Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.254(a). [40 CFR 60.254(a)].
- Phases: Phase II
- Phases: Phase II
- Determine compliance with particulate matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).
- Subpart Y. [40 CFR 60.254(b)]. Phases: Phase II
- Phases: Phase II
- Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
- Which Months: All Year Phases: Phase II Statistical Basis: None specified
- Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)], Phases: Phase II
- Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

FUG 0005 TP1 - Transfer Point - Barge Unloader

- 226 [40 CFR 60.672.h.1] Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)], Phases: Phase II
- Phases: Phase II
- Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)], Phases: Phase II
- Phases: Phase II
- Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- Phases: Phase II
- Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11, with the additions in 40 CFR 60.675(c)(1) through (c)(4), to determine compliance with the particulate matter standards in 40 CFR 60.672(b) and (c). Subpart OOO. [40 CFR 60.675(c)]
- Which Months: All Year Phases: Phase II Statistical Basis: None specified
- Opacity recordkeeping by manual logging as needed. Record the individual test and the average result of the monitoring test listed in 40 CFR 60.675(c)(1) through (c)(4). Subpart OOO. [40 CFR 60.675(c)]
- Phases: Phase II
- Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)], Phases: Phase II
- Phases: Phase II
- Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)], Phases: Phase II
- Phases: Phase II
- Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)], Phases: Phase II
- Phases: Phase II
- Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. , Phases: Phase II
- Phases: Phase II
- 227 [40 CFR 60.675.a]
- 228 [40 CFR 60.675.b.2]
- 229 [40 CFR 60.675.c]
- 230 [40 CFR 60.675.c]
- 231 [40 CFR 60.675.g]
- 232 [40 CFR 60.676.]
- 233 [40 CFR 60.676.i.]
- 234 [LAC 33:III.1305]

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
 Activity Number: PER20080001
 Permit Number: 2260-000007-V2
 Air - Title V Regular Permit Reopening

FUG 0005 TP1 - Transfer Point - Barge Unloader

- 235 [LAC 33.III.501.C.6] Throughput <= 2.70 MM tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period.
 Which Months: All Year Phases: Phase II Statistical Basis: None specified
 Submit report: Due annually, by the 31st of March. Report the throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. , Phases: Phase II
 Phases: Phase II
- 237 [LAC 33.III.501.C.6] Throughput monitored by technically sound method continuously
 Which Months: All Year Phases: Phase II Statistical Basis: None specified
 Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel.
 Phases: Phase II
- 238 [LAC 33.III.501.C.6] Permittee shall use wind screens and dry fogging in order to control emissions of PM10. Determined as BACT. , Phases: Phase II
 Phases: Phase II
- 239 [LAC 33.III.509] Permittee shall use wind screens and dry fogging in order to control emissions of PM10. Determined as BACT. , Phases: Phase II
 Phases: Phase II

FUG 0006 TP2 - Transfer Point - Unloading Hopper to Conveyor C-1

- 240 [40 CFR 60.252.c] Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
 Which Months: All Year Phases: Phase II Statistical Basis: None specified
 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)].
 Phases: Phase II
 Phases: Phase II
- 241 [40 CFR 60.254.a] Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).
 Subpart Y. [40 CFR 60.254(b)], Phases: Phase II
 Phases: Phase II
- 242 [40 CFR 60.254.b] Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
 Which Months: All Year Phases: Phase II Statistical Basis: None specified
 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)], Phases: Phase II
 Phases: Phase II
- 243 [40 CFR 60.672.b] Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)]. Phases: Phase II
 Phases: Phase II

SPECIFIC REQUIREMENTS

AIID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
 Activity Number: PER20080001
 Permit Number: 2260-00007-V2
 Air - Title V Regular Permit Reopening

FUG 0006 TP2 - Transfer Point - Unloading Hopper to Conveyor C-1

246 [40 CFR 60.672.h.2]

Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)], Phases: Phase II

Phases: Phase II

Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)], Phases: Phase II

Phases: Phase II

Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
 Phases: Phase II

Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11, with the additions in 40 CFR 60.675(c)(1) through (c)(4), to determine compliance with the particulate matter standards in 40 CFR 60.672(b) and (c). Subpart OOO. [40 CFR 60.675(c)]

Which Months: All Year Phases: Phase II Statistical Basis: None specified
 Opacity recordkeeping by manual logging as needed. Record the individual test and the average result of the monitoring test listed in 40 CFR 60.675(c)(1) through (c)(4). Subpart OOO. [40 CFR 60.675(c)]
 Phases: Phase II

Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)], Phases: Phase II
 Phases: Phase II

Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)], Phases: Phase II
 Phases: Phase II

Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)], Phases: Phase II
 Phases: Phase II

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. , Phases: Phase II
 Phases: Phase II

247 [40 CFR 60.675.a]

248 [40 CFR 60.675.b.2]

249 [40 CFR 60.675.c]

250 [40 CFR 60.675.c]

251 [40 CFR 60.675.g]

252 [40 CFR 60.676.f]

253 [40 CFR 60.676.i.1]

254 [LAC 33:III.1305]

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

FUG 0006 TP2 - Transfer Point - Unloading Hopper to Conveyor C-1

- 255 [LAC 33:III.501.C.6] Throughput monitored by technically sound method continuously.
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Submit report: Due annually, by the 31st of March. Report the throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. , Phases: Phase II
Phases: Phase II
- 256 [LAC 33:III.501.C.6] Throughput <= 2.70 MM tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period.
- 257 [LAC 33:III.501.C.6] Which Months: All Year Phases: Phase II Statistical Basis: None specified
Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel.
Phases: Phase II
- 258 [LAC 33:III.501.C.6] Permittee shall use wind screens and dry fogging in order to control emissions of PM10. Determined as BACT. , Phases: Phase II
Phases: Phase II

FUG 0007 TP3 - Transfer Point - Conveyor C-1 to Conveyor C-2

- 259 [LAC 33:III.509] Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.254(a).
Phases: Phase II
- 260 [40 CFR 60.252.c] Phases: Phase II
Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).
Subpart Y. [40 CFR 60.254(b)], Phases: Phase II
Phases: Phase II
- 261 [40 CFR 60.254.a] Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)]. Phases: Phase II
Phases: Phase II
- 262 [40 CFR 60.254.b] Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)], Phases: Phase II
Phases: Phase II
- 263 [40 CFR 60.672.b] TPOR0147
- 264 [40 CFR 60.672.c]
- 265 [40 CFR 60.672.h.1]

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-000007-V2
Air - Title V Regular Permit Reopening

FUG 0007 TP3 - Transfer Point - Conveyor C-1 to Conveyor C-2

- 266 [40 CFR 60.672.h.2] Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)], Phases: Phase II
- 267 [40 CFR 60.675.a] Phases: Phase II
Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)], Phases: Phase II
- 268 [40 CFR 60.675.b.2] Phases: Phase II
Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 269 [40 CFR 60.675.c] Phases: Phase II
Opacity recordkeeping by manual logging as needed. Record the individual test and the average result of the monitoring test listed in 40 CFR 60.675(c)(1) through (c)(4). Subpart OOO. [40 CFR 60.675(c)]
- 270 [40 CFR 60.675.c] Phases: Phase II
Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11, with the additions in 40 CFR 60.675(c)(1) through (c)(4), to determine compliance with the particulate matter standards in 40 CFR 60.672(b) and (c). Subpart OOO. [40 CFR 60.675(c)]
- 271 [40 CFR 60.675.g] Which Months: All Year Phases: Phase II Statistical Basis: None specified
Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)], Phases: Phase II
- 272 [40 CFR 60.676.f] Phases: Phase II
Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)], Phases: Phase II
- 273 [40 CFR 60.676.i.1] Phases: Phase II
Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)], Phases: Phase II
- 274 [LAC 33:III.1305] Phases: Phase II
Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. , Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-00007-W2
Air - Title V Regular Permit Reopening

FUG 0007 TP3 - Transfer Point - Conveyor C-1 to Conveyor C-2

- Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel.
Phases: Phase II
- Throughput monitored by technically sound method continuously.
- Which Months: All Year Phases: Phase II Statistical Basis: None specified
- Throughput <= 2.70 MM tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period.
- Which Months: All Year Phases: Phase II Statistical Basis: None specified
- Submit report: Due annually, by the 31st of March. Report the throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. , Phases: Phase II
- Phases: Phase II
- Permittee shall use wind screens and dry fogging in order to control emissions of PM10. Determined as BACT. Phases: Phase II
- Phases: Phase II

FUG 0008 TP4 - Transfer House 1 - Conveyor C-2 to Conveyor C-3 or C-4

- Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
- Which Months: All Year Phases: Phase II Statistical Basis: None specified
- Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.254(a). [40 CFR 60.254(a)].
- Phases: Phase II
- Phases: Phase II
- Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).
- Subpart Y. [40 CFR 60.254(b)], Phases: Phase II
- Phases: Phase II
- Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
- Which Months: All Year Phases: Phase II Statistical Basis: None specified
- Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)], Phases: Phase II
- Phases: Phase II
- Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)], Phases: Phase II
- Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)

Activity Number: PER20080001

Permit Number: 2260-00007-V2

Air - Title V Regular Permit Reopening

FUG 0008 TP4 - Transfer House 1 - Conveyor C-2 to Conveyor C-3 or C-4

286 [40 CFR 60.672.h.2]

Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)], Phases:

Phase II

Phases: Phase II

287 [40 CFR 60.675.a]

Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)], Phases: Phase II

Phases: Phase II

288 [40 CFR 60.675.b.2]

Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]

Phases: Phase II

Opacity recordkeeping by manual logging as needed. Record the individual test and the average result of the monitoring test listed in 40 CFR 60.675(c)(1) through (c)(4). Subpart OOO. [40 CFR 60.675(c)]

Phases: Phase II

Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11, with the additions in 40 CFR 60.675(c)(1) through (c)(4), to determine compliance with the particulate matter standards in 40 CFR 60.672(b) and (c). Subpart OOO.

[40 CFR 60.675(c)]

Which Months: All Year Phases: Phase II Statistical Basis: None specified

Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)], Phases: Phase II

Phases: Phase II

Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)], Phases: Phase II

Phases: Phase II

Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)], Phases: Phase II

Phases: Phase II

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7., , Phases: Phase II

Phases: Phase II

293 [40 CFR 60.676.i.1]

294 [LAC 33:III.1305]

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

FUG 0008 TP4 - Transfer House 1 - Conveyor C-2 to Conveyor C-3 or C-4

- 295 [LAC 33:III.501.C.6] Submit report: Due annually, by the 31st of March. Report the throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division., Phases: Phase II
Phases: Phase II
Throughput <= 2.70 MM tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period.
- Which Months: All Year Phases: Phase II Statistical Basis: None specified Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel.
Phases: Phase II
- 296 [LAC 33:III.501.C.6] Throughput monitored by technically sound method continuously.
Which Months: All Year Phases: Phase II Statistical Basis: None specified Permittee shall use wind screens and dry fogging in order to control emissions of PM10. Determined as BACT. , Phases: Phase II
Phases: Phase II
- 297 [LAC 33:III.501.C.6] Which Months: All Year Phases: Phase II Statistical Basis: None specified Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel.
Phases: Phase II
- 298 [LAC 33:III.501.C.6] Which Months: All Year Phases: Phase II Statistical Basis: None specified Permittee shall use wind screens and dry fogging in order to control emissions of PM10. Determined as BACT. , Phases: Phase II
Phases: Phase II
- 299 [LAC 33:III.509] Which Months: All Year Phases: Phase II Statistical Basis: None specified Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel.
Phases: Phase II

FUG 0009 TP5 - Limestone Storage Dome - Dust Collection System

- 300 [40 CFR 60.672.a.1] Total suspended particulate <= 0.05 g/dscm (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Opacity <= 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart OOO.
[40 CFR 60.672(a)(2)]
- 301 [40 CFR 60.672.a.2] Which Months: All Year Phases: Phase II Statistical Basis: None specified
Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)], Phases: Phase II
Phases: Phase II
Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)], Phases: Phase II
Phases: Phase II
Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)], Phases:
Phase II
Phases: Phase II
- 302 [40 CFR 60.672.b] Which Months: All Year Phases: Phase II Statistical Basis: None specified
Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)], Phases: Phase II
Phases: Phase II
Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)], Phases: Phase II
Phases: Phase II
Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)], Phases:
Phase II
Phases: Phase II
- 303 [40 CFR 60.672.c] Which Months: All Year Phases: Phase II Statistical Basis: None specified
Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)], Phases: Phase II
Phases: Phase II
Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)], Phases: Phase II
Phases: Phase II
Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)], Phases:
Phase II
Phases: Phase II
- 304 [40 CFR 60.672.h.1] Which Months: All Year Phases: Phase II Statistical Basis: None specified
Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)], Phases: Phase II
Phases: Phase II
Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)], Phases: Phase II
Phases: Phase II
Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)], Phases:
Phase II
Phases: Phase II
- 305 [40 CFR 60.672.h.2] Which Months: All Year Phases: Phase II Statistical Basis: None specified
Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)], Phases: Phase II
Phases: Phase II
Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)], Phases: Phase II
Phases: Phase II
Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)], Phases:
Phase II
Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

FUG 0009 TP5 - Limestone Storage Dome - Dust Collection System

- 306 [40 CFR 60.675.a] Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)], Phases: Phase II
- 307 [40 CFR 60.675.b.1] Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]
Phases: Phase II
Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
Phases: Phase II
Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Opacity recordkeeping by manual logging as needed. Record the individual test and the average result of the monitoring test listed in 40 CFR 60.675(c)(1) through (c)(4). Subpart OOO. [40 CFR 60.675(c)]
Phases: Phase II
Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11, with the additions in 40 CFR 60.675(c)(1) through (c)(4), to determine compliance with the particulate matter standards in 40 CFR 60.672(b) and (c). Subpart OOO.
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart OOO. [40 CFR 60.675(d)], Phases: Phase II
Phases: Phase II
Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)], Phases: Phase II
Phases: Phase II
Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (d), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.676(f). Subpart OOO. [40 CFR 60.676(f)], Phases: Phase II
Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

FUG 0009 TP5 - Limestone Storage Dome - Dust Collection System

316 [40 CFR 60.676.i.1]

Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)], Phases: Phase II

Phases: Phase II

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33.III.1305.A.1-7. , Phases: Phase II

Phases: Phase II

Filter vents: Visible emissions monitored by visual inspection/determination daily. Determined as BACT.

Which Months: All Year Phases: Phase II Statistical Basis: None specified

Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT.

Phases: Phase II

Baghouses: Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. Determined as BACT.

Which Months: All Year Phases: Phase II Statistical Basis: None specified

Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT.

Phases: Phase II

FUG 0010 TP6 - Fuel Storage Dome - Dust Collection System

322 [40 CFR 60.252.c]

Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)] Which Months: All Year Phases: Phase II Statistical Basis: None specified Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)].

Phases: Phase II

Phases: Phase II

Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).

Subpart Y. [40 CFR 60.254(b)], Phases: Phase II

Phases: Phase II

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33.III.1305.A.1-7. , Phases: Phase II

Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER2008001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

FUG 0010 TP6 - Fuel Storage Dome - Dust Collection System

- 326 [LAC 33:III.509] Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT.
Phases: Phase II
Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT.
- 327 [LAC 33:III.509] Phases: Phase II
Baghouses: Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. Determined as BACT.
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Filter vents: Visible emissions monitored by visual inspection/determination daily. Determined as BACT.
Which Months: All Year Phases: Phase II Statistical Basis: None specified
- 328 [LAC 33:III.509] Phases: Phase II
Baghouses: Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. Determined as BACT.
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Filter vents: Visible emissions monitored by visual inspection/determination daily. Determined as BACT.
Which Months: All Year Phases: Phase II Statistical Basis: None specified
- 329 [LAC 33:III.509] Phases: Phase II
Baghouses: Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. Determined as BACT.
Which Months: All Year Phases: Phase II Statistical Basis: None specified

FUG 0011 TP7 - Fuel Crusher House - Dust Collection System

- 330 [40 CFR 60.252.c] Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)],
Phases: Phase II
Phases: Phase II
Determine compliance with particulate matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).
Subpart Y. [40 CFR 60.254(b)], Phases: Phase II
Phases: Phase II
Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7., Phases: Phase II
Phases: Phase II
Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT.
Phases: Phase II
Filter vents: Visible emissions monitored by visual inspection/determination daily. Determined as BACT.
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Baghouses: Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. Determined as BACT.
Which Months: All Year Phases: Phase II Statistical Basis: None specified
- 331 [40 CFR 60.254.a]
332 [40 CFR 60.254.b]
333 [LAC 33:III.1305]
334 [LAC 33:III.509]
335 [LAC 33:III.509]
336 [LAC 33:III.509]

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

FUG 0011 TP7 - Fuel Crusher House - Dust Collection System

337 [LAC 33.III.509]

Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT.
Phases: Phase II

FUG 0012 TP8 - Fuel Silos - Dust Collection System

338 [40 CFR 60.252.c]

Opacity <= 20 percent. Subpart Y [40 CFR 60.252(c)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)].
Phases: Phase II

340 [40 CFR 60.254.b]

Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).
Subpart Y [40 CFR 60.254(b)], Phases: Phase II
Phases: Phase II

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33.III.1.305.A.1-7. , Phases: Phase II
Phases: Phase II
Baghouses: Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. Determined as BACT.
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT.
Phases: Phase II

Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT.
Phases: Phase II
Filter vents: Visible emissions monitored by visual inspection/determination daily. Determined as BACT.

345 [LAC 33.III.509]

Which Months: All Year Phases: Phase II Statistical Basis: None specified

FUG 0013 TP9 - Limestone Transfer Tower - Conveyor C-9 to Conveyor C-10

346 [40 CFR 60.672 b]

Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified

SPECIFIC REQUIREMENTS

Ai ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

FUG 0013 TP9 - Limestone Transfer Tower - Conveyor C-9 to Conveyor C-10

- Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)], Phases: Phase II
Phases: Phase II
- Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)], Phases: Phase II
Phases: Phase II
- Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)], Phases: Phase II
Phases: Phase II
- Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)], Phases: Phase II
Phases: Phase II
- Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
Phases: Phase II
- Opacity recordkeeping by manual logging as needed. Record the individual test and the average result of the monitoring test listed in 40 CFR 60.675(c)(1) through (c)(4). Subpart OOO. [40 CFR 60.675(c)]
Phases: Phase II
- Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11, with the additions in 40 CFR 60.675(c)(1) through (c)(4), to determine compliance with the particulate matter standards in 40 CFR 60.672(b) and (c). Subpart OOO.
[40 CFR 60.675(c)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)], Phases: Phase II
Phases: Phase II
- Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.676(f). Subpart OOO. [40 CFR 60.676(f)], Phases: Phase II
Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-000007-V2
Air - Title V Regular Permit Reopening

FUG 0013 TP9 - Limestone Transfer Tower - Conveyor C-9 to Conveyor C-10

356 [40 CFR 60.676 i.1] Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)], Phases: Phase II
Phases: Phase II
Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel.

357 [LAC 33:III.501.C.6] Phases: Phase II
Submit report: Due annually, by the 31st of March. Report the throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. , Phases: Phase II
Phases: Phase II
Throughput <= 500000 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period.
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Throughput monitored by technically sound method continuously.

358 [LAC 33:III.501.C.6] Which Months: All Year Phases: Phase II Statistical Basis: None specified
Compliance, Enforcement Division if the throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period.
Throughput <= 500000 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period.
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Throughput monitored by technically sound method continuously.
359 [LAC 33:III.501.C.6] Which Months: All Year Phases: Phase II Statistical Basis: None specified
Permittee shall use wind screens and dry fogging in order to control emissions of PM10. Determined as BACT. , Phases: Phase II
Phases: Phase II

FUG 0014 TP10 - Limestone Silo and Crusher - Dust Collection System

360 [LAC 33:III.501.C.6] Total suspended particulate <= 0.05 g/dscm (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]
361 [LAC 33:III.509] Which Months: All Year Phases: Phase II Statistical Basis: None specified
Opacity <= 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart OOO. [40 CFR 60.672(a)(2)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
362 [40 CFR 60.672.a.] Which Months: All Year Phases: Phase II Statistical Basis: None specified
Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)], Phases: Phase II
Phases: Phase II
Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)], Phases: Phase II
363 [40 CFR 60.672.a.]
364 [40 CFR 60.672.b]
365 [40 CFR 60.672.c]
366 [40 CFR 60.672.h.1]

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

FUG 0014 TP10 - Limestone Silo and Crusher - Dust Collection System

- 367 [40 CFR 60.672.h.2] Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)], Phases: Phase II
- Phases: Phase II
Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)], Phases: Phase II
- 368 [40 CFR 60.675.a] Phases: Phase II
Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]
- 369 [40 CFR 60.675.b.1] Phases: Phase II
Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 370 [40 CFR 60.675.b.1] Phases: Phase II
Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11, with the additions in 40 CFR 60.675(c)(1) through (c)(4), to determine compliance with the particulate matter standards in 40 CFR 60.672(b) and (c). Subpart OOO. [40 CFR 60.675(c)]
- 371 [40 CFR 60.675.b.2] Phases: Phase II
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Opacity recordkeeping by manual logging as needed. Record the individual test and the average result of the monitoring test listed in 40 CFR 60.675(c)(1) through (c)(4). Subpart OOO. [40 CFR 60.675(c)]
- 372 [40 CFR 60.675.b.2] Phases: Phase II
Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart OOO. [40 CFR 60.675(d)], Phases: Phase II
- 373 [40 CFR 60.675.c] Phases: Phase II
Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)], Phases: Phase II
- 374 [40 CFR 60.675.c] Phases: Phase II
- 375 [40 CFR 60.675.d] Phases: Phase II
- 376 [40 CFR 60.675.g] Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-000007-V2
Air - Title V Regular Permit Reopening

FUG 0014 TP10 - Limestone Silo and Crusher - Dust Collection System

- 377 [40 CFR 60.676(f)] Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)], Phases: Phase II
- Phases: Phase II
- Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)], Phases: Phase II
- Phases: Phase II
- Filter vents: Visible emissions monitored by visual inspection/determination daily. Determined as BACT.
- Which Months: All Year Phases: Phase II Statistical Basis: None specified
- Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT.
- Phases: Phase II
- Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT.
- Phases: Phase II
- Baghouses: Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. Determined as BACT.
- Which Months: All Year Phases: Phase II Statistical Basis: None specified
- 378 [LAC 33.III.509]
- 380 [LAC 33.III.509]
- 381 [LAC 33.III.509]
- 382 [LAC 33.III.509]
- 383 [LAC 33.III.1305]
- 384 [LAC 33.III.509]
- 385 [LAC 33.III.509]
- FUG 0015 TP11 - Ash Silo - Dust Collection System
- Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33.III.1305.A.1-7., Phases: Phase II
- Phases: Phase II
- Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT.
- Phases: Phase II
- Baghouses: Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. Determined as BACT.
- Which Months: All Year Phases: Phase II Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

FUG 0015 TP11 - Ash Silo - Dust Collection System

Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT.
Phases: Phase II
Filter vents: Visible emissions monitored by visual inspection/determination daily. Determined as BACT.

386 [LAC 33:III.509]

387 [LAC 33:III.509]

FUG 0016 TP12 - Ash Truck Loading

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. , Phases: Phase II
Phases: Phase II
Throughput <= 1.32 MM tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period.

388 [LAC 33:III.1305]

389 [LAC 33:III.501.C.6]

390 [LAC 33:III.501.C.6]

391 [LAC 33:III.501.C.6]

392 [LAC 33:III.501.C.6]

393 [LAC 33:III.509]

Which Months: All Year Phases: Phase II Statistical Basis: None specified Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel.

Phases: Phase II

Throughput monitored by technically sound method continuously.
Which Months: All Year Phases: Phase II Statistical Basis: None specified Submit report: Due annually, by the 31st of March. Report the throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. , Phases: Phase II
Phases: Phase II

Permittee shall use a closed vent system that vents back into the ash silo in order to control emissions of PM10. Determined as BACT. , Phases:
Phase II
Phases: Phase II

FUG 0017 TP13 - Lime Silo - Dust Collection System

Submit report: Due annually, by the 31st of March. Report the throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division. , Phases: Phase II
Phases: Phase II
Throughput monitored by technically sound method continuously.
Which Months: All Year Phases: Phase II Statistical Basis: None specified

394 [LAC 33:III.501.C.6]

395 [LAC 33:III.501.C.6]

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER2008001
Permit Number: 2260-000007-V2
Air - Title V Regular Permit Reopening

FUG 0017 TP13 - Lime Silo - Dust Collection System

- 396 [LAC 33.III.501.C.6] Throughput <= 1040 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period.
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel.
- 397 [LAC 33.III.501.C.6] Phases: Phase II
Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT.
- 398 [LAC 33.III.509] Phases: Phase II
Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Determined as BACT.
- 399 [LAC 33.III.509] Phases: Phase II
Baghouses: Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. Determined as BACT.
Which Months: All Year Phases: Phase II Statistical Basis: None specified
Filter vents: Visible emissions monitored by visual inspection/determination daily. Determined as BACT.
Which Months: All Year Phases: Phase II Statistical Basis: None specified

GRP 0006 ARR - Acid Rain Requirements

Group Members: EQT 0001 EQT 0002 EQT 0003 EQT 0010 EQT 0011

- 402 [40 CFR 75.10.a.2] To determine NOX emissions, install, certify, operate, and maintain in accordance with all the requirements of 40 CFR 75 a NOX-diluent continuous emission monitoring system (consisting of a NOX pollutant concentration monitor and an O2 or CO2 diluent gas monitor) with an automated data acquisition and handling system for measuring and recording NOX concentration (in ppm), O2 or CO2 concentration (in percent O2 or CO2), and NOX emission rate (in lb/mmBtu) discharged to the atmosphere, except as provided in 40 CFR 75.12 and 75.17 and subpart E of 40 CFR 75. The owner or operator shall account for total NOX emissions, both NO and NO2, either by monitoring for both NO and NO2 or by monitoring for NO only and adjusting the emissions data to account for NO2. [40 CFR 75.10(a)(2)]
The owner or operator shall ensure that each continuous emission monitoring system meets the equipment, installation, and performance specifications in appendix A to 40 CFR 75; and is maintained according to the quality assurance and quality control procedures in appendix B to 40 CFR 75; and shall record SO2 and NOX emissions in the appropriate units of measurement (i.e., lb/hr for SO2 and lb/MM Btu for NOX). [40 CFR 75.10(b)]
The owner or operator shall determine and record the heat input rate, in units of MM Btu/hr, to each affected unit for every hour or part of an hour any fuel is combusted following the procedures in appendix F to 40 CFR 75. [40 CFR 75.10(c)]
- 403 [40 CFR 75.10.b]
- 404 [40 CFR 75.10.c]

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)

Activity Number: PER20080001

Permit Number: 2260-00007-V2

Air - Title V Regular Permit Reopening

GRP 0006 ARR - Acid Rain Requirements

The owner or operator shall ensure that all continuous emission and opacity monitoring systems are in operation and monitoring unit emissions or opacity at all times that the affected unit combusts any fuel except as provided in 40 CFR 75.11(e) and during periods of calibration, quality assurance, or preventive maintenance, performed pursuant to 40 CFR 75.21 and appendix B of 40 CFR 75, periods of repair, periods of backups of data from the data acquisition and handling system, or recertification performed pursuant to 40 CFR 75.20. The owner or operator shall also ensure, subject to the aforementioned exceptions, that all continuous opacity monitoring systems are in operation and monitoring opacity during the time following combustion when fans are still operating, unless fan operation is not required to be included under any other applicable Federal or State regulation, or permit. The owner or operator shall ensure that the requirements of 40 CFR 75.10(d)(1), (2), and (3), as applicable, are met. [40 CFR 75.10(d)]

The owner or operator shall ensure that each continuous emission monitoring system is capable of accurately measuring, recording, and reporting data, and shall not incur an exceedance of the full scale range, except as provided in sections 2.1.1.5, 2.1.2.5, and 2.1.4.3 of appendix A to 40 CFR 75. [40 CFR 75.10(f)]

The owner or operator shall record and the designated representative shall report the hourly, daily, quarterly, and annual information collected under the requirements of 40 CFR 75 as specified in subparts F and G of 40 CFR 75. [40 CFR 75.10(g)]

Comply with the applicable provisions of Subpart C-Operation and Maintenance Requirements, Subpart D-Missing Data Substitution Procedures, Subpart F-Recordkeeping Requirements, and Subpart G-Reporting Requirements.

Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority, and have an Acid Rain Permit. [LAC 33:III.505, 40 CFR 72.9(a)(2)]

The designated representative shall submit a complete Acid Rain permit application (including a compliance plan) in accordance with the deadlines specified in 40 CFR 72.30, a complete reduced utilization plan if required under 40 CFR 72.43, and any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit. [LAC 33:III.505, 40 CFR 72.9(a)(1)]

The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR 77. [LAC 33:III.505, 40 CFR 72.9(e)(1)]

An allowance shall not be deducted, in order to comply with the requirements under 40 CFR 72.9(c)(1)(i), prior to the calendar year for which the allowance was allocated. [LAC 33:III.505, 40 CFR 72.9(c)(5)]

The designated representative shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR 75 and Subpart I of 40 CFR 72. [LAC 33:III.505, 40 CFR 72.9(f)(2)]

The owners and operators of an affected unit that has excess emissions in any calendar year shall pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR 77, and comply with the terms of an approved offset plan, as required by 40 CFR 77. [LAC 33:III.505, 40 CFR 72.9(e)(2)]

Comply with the monitoring requirements as provided in 40 CFR 75. [LAC 33:III.505, 40 CFR 72.9(b)]

The owners and operators shall hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit and comply with the applicable Acid Rain emissions limitation for sulfur dioxide. [40 CFR 72.9(c)(1), LAC 33:III.505]

405 [40 CFR 75.10.d]

406 [40 CFR 75.10.f]

407 [40 CFR 75.10.g]

408 [40 CFR 75]

409 [LAC 33:III.505]

410 [LAC 33:III.505]

411 [LAC 33:III.505]

412 [LAC 33:III.505]

413 [LAC 33:III.505]

414 [LAC 33:III.505]

415 [LAC 33:III.505]

416 [LAC 33:III.505]

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER2008001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

GRP 0006 ARR - Acid Rain Requirements

417 [LAC 33:II 505]

Keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority.
1.) The certificate of representation for the designated representative for the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24, provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative.

2.) All emissions monitoring information, in accordance with 40 CFR 75, provided that to the extent that part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.

3.) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program.

4.) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program. [LAC 33:II 505, 40 CFR 72.9(f)(1)]

GRP 0009 B1B2CR - Boiler 1 and Boiler 2 Common Requirements

Group Members: EQT 0010EQT 0011

418 [LAC 33:II 501.C.6]

Permittee shall burn No. 2 fuel oil with sulfur content less than or equal to 0.70% by weight in EQT 10 and EQT 11, only when natural gas becomes unavailable or economically infeasible. Permittee shall report the date and reasons of fuel change to the Office of Environmental Compliance, Enforcement Division within ten (10) days of the change. A record of the fuel oil usage and calculated emissions shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. A report listing fuel oil usage and calculated emissions from the boilers shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 1 for the preceding calendar year.

If the boilers are fired with fuel oil for more than 720 hours in any ninety (90) consecutive days, permittee shall test the boilers at maximum fuel oil firing rate. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 5 - Determination of Particulate Emissions from Stationary Sources, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources, and Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources.

CRG 0001 MACT - MACT Requirements for CFB Boiler

Group Members: EQT 0001

420 [40 CFR 63 40-44]

Hydrochloric acid <= 0.00035 lb/MMBTU.
Which Months: All Year Phases: Phase II Statistical Basis: Three one-hour test average
Carbon monoxide monitored by continuous emission monitor (CEM) continuously.
Which Months: All Year Phases: Phase II Statistical Basis: None specified

SPECIFIC REQUIREMENTS

A! ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

CRG 0001 MACT - MACT Requirements for CFB Boiler

- 422 [40 CFR 63.40-44] Conduct a performance/emissions test for hydrochloric acid and hydrofluoric acid: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. This test shall be repeated annually thereafter, with no less than 10 months and no more than 14 months of time elapsed between tests. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 26A - Determination of Hydrogen Halides and Halogen Emissions from Stationary Sources - Isokinetic Method. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits. , Phases: Phase II
- 423 [40 CFR 63.40-44] Phases: Phase II Carbon monoxide <= 0.15 lb/MMBTU. This limit shall apply when the unit is operating at a rate that is less than 60 percent of its maximum heat input of 2,330 MMBTU/hr. Control of carbon monoxide is approved as a surrogate for control of organic hazardous air pollutants (HAPs). Which Months: All Year Phases: Phase II Statistical Basis: 24-hour block average
- 424 [40 CFR 63.40-44] Particulate matter (10 microns or less) <= 0.011 lb/MMBTU. Control of particulate matter is approved as a surrogate for control of metallic hazardous air pollutants (HAPs).
- 425 [40 CFR 63.40-44] Which Months: All Year Phases: Phase II Statistical Basis: 24-hour average Carbon monoxide <= 0.10 lb/MMBTU. This limit shall apply when the unit is operating at a rate that is greater than or equal to 60 percent of its maximum heat input of 2,330 MMBTU/hr. Control of carbon monoxide is approved as a surrogate for control of organic hazardous air pollutants (HAPs). Which Months: All Year Phases: Phase II Statistical Basis: 24-hour block average
- 426 [40 CFR 63.40-44] Submit report: Due within 60 days after LDEQ required performance/emissions test. Submit emissions test results to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. , Phases: Phase II
- Phases: Phase II

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

CRG 0001 MACT - MACT Requirements for CFB Boiler

Permittee shall calculate and record the appropriate mercury emissions limitation using the following formula:ⁱ

$$Hg = (Eb^*B + Ep^*P + Es^*S)/(B + P + S)H$$

where:

Hg = applicable mercury emission limit calculated in lb/GWh^f
Eb = 0.008 lb/GWh, which is the emission limitation that applies when firing 100% bituminous coal^g
Ep = 0.003 lb/GWh, which is the emission limitation that applies when firing 100% petroleum coke^h
Es = 0.005 lb/GWh, which is the emission limitation that applies when firing 100% subbituminous coalⁱ
B = total electrical output generated by the boiler due to the combustion of bituminous coal
P = total electrical output generated by the boiler due to the combustion of petroleum coke^j
S = total electrical output generated by the boiler due to the combustion of subbituminous coal^k

□ Permittee shall recalculate this emission limitation upon each change in the fuel mix that is fed to the boiler. Compliance with this limitation shall be determined using a twelve-month rolling average. Phases: Phase II

Phases: Phase II

Mercury monitored by continuous emission monitor (CEM) continuously.

Which Months: All Year Statistical Basis: None specified
Carbon monoxide recordkeeping by electronic or hard copy continuously. Permittee shall record each reading from the carbon monoxide continuous emissions monitor. Records shall be maintained on site for a period of no less than five (5) years and made available for inspection by DEQ personnel.

Phases: Phase II

Submit notification: Due at least 30 days prior to LDEQ required performance/emissions test to the Office of Environmental Assessment, Environmental Technology Division, Engineering Services, to provide the opportunity to conduct a pretest meeting and observe the emission testing. Phases: Phase II

Phases: Phase II

Permittee shall comply with all applicable monitoring, recordkeeping, and reporting requirements of 40 CFR 64 in order to control emissions of metallic Hazardous Air Pollutants. Phases: Phase II
Phases: Phase II
Hydrofluoric acid <= 0.000044 lb/MMBTU.
Which Months: All Year Statistical Basis: Three one-hour test average
Mercury recordkeeping by electronic or hard copy continuously. Permittee shall record each reading from the mercury continuous emissions monitor. Records shall be maintained on site for a period of no less than five (5) years and made available for inspection by DEQ personnel.

Phases: Phase II

427 [40 CFR 63.40-44]

428 [40 CFR 63.40-44]

429 [40 CFR 63.40-44]

430 [40 CFR 63.40-44]

431 [40 CFR 63.40-44]

432 [40 CFR 63.40-44]

433 [40 CFR 63.40-44]

SPECIFIC REQUIREMENTS

Ai ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

UNF 001 Entire Facility - Big Cajun 1 Power Plant Facility

- 434 [40 CFR 60] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
- 435 [40 CFR 70.5.a.1.(iii)] Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 436 [40 CFR 70.6.a.3.(iii)(A)] Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 437 [40 CFR 70.6.a.3.(iii)(B)] Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 438 [40 CFR 70.6.c.5.(iv)] Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 439 [40 CFR 72.9.c.1.(i)] Louisiana Generating, LLC's Big Cajun 1 Power Plant shall secure one allowance for each ton of SO₂ emitted per year. At the end of the year, each used allowance is retired and cannot be used again. EPA will record allowance transfers that are used for compliance and ensure that Big Cajun 1 Power Plant's emissions do not exceed the number of allowances it holds via the Allowance Tracking System (ATS). See Subparts C & D of part 73. [40 CFR 72.9(c)(1)(i)]
- 440 [LAC 33:III.1.103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.1.111 or intensify an existing traffic hazard condition are prohibited.
- 441 [LAC 33:III.1.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 442 [LAC 33:III.2.III.13.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2.III.13.A.1-5.
- 443 [LAC 33:III.2.III.219] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 444 [LAC 33:III.5.01.C.6] Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2.III.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. (State Only).
- 445 [LAC 33:III.5.01.C.6] Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HR VOC), which include 1,3-Butadiene, Butene, cis-2-Butene, trans-2-Butene, Ethylene, Propylene, Xylene, m/p-Xylene, o-Xylene. (State Only).

SPECIFIC REQUIREMENTS

AI ID: 11917 - Louisiana Generating LLC - Big Cajun 1 Power Plant (Steam)
Activity Number: PER20080001
Permit Number: 2260-00007-V2
Air - Title V Regular Permit Reopening

UNF 0001 Entire Facility - Big Cajun I Power Plant Facility

- 446 [LAC 33:III.507.G.5] Alternate Operating Scenario: Operating plan recordkeeping by logbook upon each occurrence of making a change from one operating scenario to another. Record the operating scenario under which the facility is currently operating. Include in this record the identity of the sources involved, the permit number under which the scenario is included, and the date of change. Keep a copy of the log on site for at least two years. Comply with the requirements of PSD-LA-660(M-1). This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-660(M-1).
- 447 [LAC 33:III.509] Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 1st of July to the Department of Environmental Quality, Office of Environmental Services, Air Permits Division. Include the information in LAC 33:III.5307.A for the preceding calendar year.
- 448 [LAC 33:III.5307.B] Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 5 when the administrative authority declares an Air Pollution Alert.
- 449 [LAC 33:III.5609.A.1.b] Activate the preplanned strategy listed in LAC 33:III.5611. Table 6 when the administrative authority declares an Air Pollution Warning.
- 450 [LAC 33:III.5609.A.2.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 7 when the administrative authority declares an Air Pollution Emergency.
- 451 [LAC 33:III.5609.A.3.b] Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency.
- 452 [LAC 33:III.5609.A] Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611. Tables 5, 6, and 7.
- 453 [LAC 33:III.5901.A] Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
- 454 [LAC 33:III.919.D] Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.